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AERODYNAMIC CHARACTERISTICS OF A
VECTORED-ENGINE-OVER-WING CONFIGURATION
HAVING SPANWISE LEADING-EDGE VORTEX
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SUBSONIC LONGITUDINAL AERODYNAMIC CHARACTERISTICS OF A
VECTORED-ENGINE-OVER-WING CONFIGURATION HAVING SPANWISE
LEADING EDGE VORTEX ENHANCEMENT

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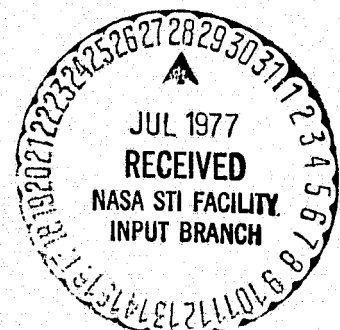
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INTRODUCTION

A recent major trend in the conceptual design of advanced fighter aircraft has been the emphasis on achieving a high degree of maneuverability. The use of canards, maneuvering flaps, and wing leading edge vortex enhancement are being actively studied as methods of increasing the maximum useable lift capability and thereby the maneuverability of a configuration.

Previous studies have demonstrated the performance improvements related to the use of a close coupled canard-wing concept (ref. 1) and to the use of spanwise blowing to enhance the wing-leading edge vortex of a typical configuration (ref. 2).

In the late 1950's considerable research was done at the Langley Research Center where the jet efflux was exhausted externally over the top of the wing and deflected downward by trailing-edge flaps. The results indicated that the concept provided good aerodynamic efficiency and, because the wing tended to shield the engine noise from the ground, offered advantages for minimizing the noise associated with powered lift (see refs. 3 and 4).

The present study is concerned with a configuration which integrates a close coupled canard-wing combination, spanwise blowing for enhancement of the wing leading edge vortex, an engine-over-wing concept, and a wing trailing edge coanda-effect flap. The purpose of the present paper is to present the data on this configuration in tabular form without discussion in order to expedite publication.

The investigation was conducted in the Langley 7- by 10-foot high speed tunnel at a Mach number of 0.166 through an angle-of-attack range from -2 to 22 degrees. Rectangular main engine nozzles of aspect ratio 4, 6, and 8 were tested over a momentum coefficient range from 1.0 to 1.8.

It should be noted that the present study represents a joint General Dynamics - Air Force - NASA undertaking.

COEFFICIENT AND SYMBOLS

The International System of Units is used for the physical quantities in this paper. The symbols in parenthesis are used in the data tabulation (Table 6). The data presented in this report are referred to both the body and stability axis.

AR	aspect ratio
A_N	main nozzle area
A_{NJ}	total area of main nozzle and spanwise nozzle, $A_N + A_J$
A_J	spanwise nozzle area
b	wing span
\bar{c}	mean geometric chord
C_A (CAF)	total axial force coefficient, $\frac{\text{axial force}}{qS}$
C_D (CD)	total drag coefficient (uncorrected), $\frac{\text{drag}}{qS}$
$C_{D,EQ.}$ (CD,EQ)	equivalent drag coefficient
$C_{D,NOM}$ (CD,NOM)	thrust corrected drag coefficient
$C_{D,C}$ (CD,C)	drag coefficient correction for balance chamber pressure
$C_{D,N}$ (CD,N)	nozzle drag coefficient correction when $C_{\mu,N}$ is equal to zero

C_L (CL)	total lift coefficient, $\frac{\text{lift}}{qS}$
$C_{L,EQ}$ (CL,EQ)	equivalent lift coefficient
$C_{L,NOM}$ (CL,NOM)	thrust corrected lift coefficient
C_m (CM) (CPM)	total pitching moment coefficient, $\frac{\text{pitching-moment}}{qS\bar{c}}$
$C_{m,EQ}$ (CM,EQ)	equivalent pitching-moment coefficient
$C_{m,NOM}$ (CM,NOM)	thrust corrected pitching-moment coefficient
(CNF)	total normal-force coefficient, $\frac{\text{normal force}}{qS}$
(CRM)	total rolling-moment coefficient, $\frac{\text{rolling moment}}{qS b}$
(CYM)	total yawing-moment coefficient, $\frac{\text{yawing moment}}{qS b}$
(CSF)	total side-force coefficient, $\frac{\text{side force}}{qS}$
C_T (CT)	thrust coefficient, $\frac{\text{thrust}}{qS}$
c	wing chord, cm
C_μ (CMU)	ideal momentum coefficient
$C_{\mu,NOM}$ (CMU,NOM)	nominal ideal momentum coefficient
g	acceleration of gravity, $\frac{\text{meter}}{\text{sec}^2}$
P_∞	free-stream static pressure, N/m^2

$P_{t,N}$	nozzle plenum total pressure, N/m^2
(P, INF)	free-stream static pressure, N/m^2
$q(Q)$	dynamic pressure, N/m^2
S	reference wing area, m^2
T_N	nozzle plenum temperature, $^{\circ}R$
T_t	tunnel total temperature, $^{\circ}R$
V_N	nozzle exit velocity, meter/sec
\dot{w}_p (WTFLOW)	weight flow, N/sec
\bar{x}	longitudinal moment transfer distance, cm
\bar{z}	vertical moment transfer distance, cm
α (ALPHA)	angle of attack, deg.
β (BETA)	angle of sideslip, deg.
η	static thrust recovery efficiency
η_N	nozzle efficiency factor
θ_T (THETA, T)	jet deflection angle, deg.
NPR	nozzle pressure ratio
Λ	leading-edge sweep angle, deg.
δ	control surface deflection, deg.

MODEL

BL	Body Line
F	fuselage
FS	fuselage station
f_1	leading edge wing flap
f_2	trailing-edge wing flap (outboard)
f_3	trailing-edge wing flap (inboard)(coanda flap)
f_4	an extended and cambered f_3
N	nozzle
NS	nacelle station
J	spanwise nozzle
H	canard
W	wing
WL	water line
MCP	mean chord plane
CCP	canard chord plane

MODEL AND APPARATUS

Drawings of the test model for the vectored-engine-over-wing concept investigated are shown in figure 1 and photographs of the model mounted in the 7- by 10-foot high speed tunnel are shown in figure 2. Geometric characteristics of the model are given in Table 1.

The model consisted of a canard-wing-body-engine configuration supplied by General Dynamics. The fuselage consisted of a body of revolution designed for the General Dynamics 5.2 inch diameter, flow-through balance.

The wing had a leading edge sweep of 40° with a cranked trailing edge. The airfoil section was a 64A2xx with the ordinates given in Fig. 1.

Interchangeable rectangular main engine nozzles of aspect ratio 4, 6, and 8 were tested, the aspect ratio 4 and 6 nozzles being tested with and without spanwise blowing nozzles. The various nozzle areas are given in Table 2. Each nozzle plenum was instrumented with three total pressure probes and a total temperature thermocouple.

The overwing mounted nacelle/nozzle system was tailored to the wing design. The wing incorporates a full span leading edge flap and a trailing edge flap with the inboard coanda effect flap independent of the outboard flap.

The high pressure air was fed through a hollow sting and through the flow-through balance to the nacelle/nozzle system. The flow-through

balance contained a bellows arrangement which permitted the balance to measure the total aerodynamic-plus-propulsive forces and moments. A solid inlet nacelle fairing enclosed the air supply plumbing for the nozzles (see figure 1). This nacelle fairing was the only aspect of the model which did not represent an actual configuration.

The total weight flow of the high pressure air flowing through the nozzles was measured by means of a calibrated venturi-type flow-meter in the air supply line.

The model was tested employing the General Dynamics Corp. balance C-6-3.75-B. This flow-through balance was calibrated at Langley Research Center to obtain balance constants for use in reducing the data.

The model could be tested with or without a forward mounted canard (see figure 1). Two canards of similar planforms were tested where the exposed canard area represented either 15 or 20 percent of the wing reference area.

TEST AND CORRECTIONS

The investigation was conducted in the Langley 7- by 10-foot high speed tunnel. The free stream dynamic pressure for the majority of the test program was 1940 N/m^2 corresponding to a Mach number of 0.166. The Reynolds number based on the wing reference chord and free stream velocity was approximately 1.2×10^6 . For the slotted configuration of the test section, the blockage and jet boundary corrections are unknown for the powered model of the present test. Thus these corrections could not be applied to the data. The fuselage cavity pressure was measured and the drag data have been corrected to a condition of free stream static pressure at the fuselage base.

The angle of attack was varied from -2° to 22° at a sideslip angle of 0° . The angle of attack was corrected for the deflection of the sting and balance due to aerodynamic loads.

Transition strips consisting of .238 cm wide No. 80 carborundum grains were placed 2.540 cm. streamwise from the leading edge of all surfaces and 4.064 cm behind the nose of the model.

The deflection of the wing leading and trailing edge flaps were varied from 0° to 20° at the test thrust coefficient values of 0.0, 1.2, 1.5, and 1.8 for the test nozzle aspect ratios of 4, 6, and 8.

The two canards were tested in combination with the aspect ratio 4 nozzle.

Calibrations were made to determine the thrust and the weight flow rate of the engine simulators as a function of the nozzle aspect

ratio and the nozzle pressure ratio which was determined from the nozzle plenum pressures. These calibrations were made at zero airspeed for the configuration with the wings removed and reflect the static thrust only. The values of thrust coefficient are based on this static thrust calibration and are presented as the conventional thrust coefficient, C_T , that is, static thrust nondimensionalized with respect to wing area and free stream dynamic pressure where the latter is set equal to 1.0 for the zero airspeed case. The weight flow rate measured by the flowmeter is used to compute the idealized thrust coefficient, C_μ . C_T and C_μ are shown in figure 3 as a function of NPR for the various nozzle configurations tested.

Jet deflection angles and static thrust recovery efficiency were determined from measurements of the normal and axial forces made under static thrust conditions with flaps deflected. (See figure 4.)

DATA REDUCTION

The balance measured total aerodynamic-plus-thrust loads. Forces and moments corresponding to these total loads were calculated based on the balance calibration.

The nozzle pressure ratio, NPR, was calculated as:

$$\text{NPR} = \frac{p_{tN}}{p_{\infty}}$$

The momentum coefficient was computed as:

$$C_{\mu_N} = \frac{1}{2gqS} \dot{W}_P \frac{A_N}{A_{NJ}} \left\{ 109.6 \left[T_N \left(1 - \left(\frac{1}{\text{NPR}} \right)^{2/7} \right) \right]^{1/2} \right\}$$

$$C_{\mu_J} = \frac{1}{2gqS} \dot{W}_P \frac{A_J}{A_{NJ}} \left\{ 109.6 \left[T_N \left(1 - \left(\frac{1}{\text{NPR}} \right)^{2/7} \right) \right]^{1/2} \right\}$$

The thrust coefficient was computed as:

$$C_T = \eta (C_{\mu_N} + C_{\mu_J})$$

The lift, drag, and pitching moment coefficient corresponding to total loads are given by:

$$C_L = \frac{NF}{qS} \cos \alpha - \frac{AF}{qS} \sin \alpha$$

$$C_D = \frac{NF}{qS} \sin \alpha + \frac{AF}{qS} \cos \alpha$$

$$C_m = \frac{PM}{qS\bar{c}}$$

The equivalent aerodynamic lift, drag, and pitching moment coefficient with thrust removed are given by:

$$C_{L,EQ} = C_L - C_T \sin \alpha$$

$$C_{D,EQ} = C_D - C_{D_C} + C_T \cos \alpha$$

$$C_{m,EQ} = C_m - C_T z/\bar{c}$$

For the leading-edge vortex enhancement (spanwise blowing) configurations the ideal momentum coefficient from the spanwise nozzle (C_{μ_J}) was added to the over-wing nozzle momentum coefficient ($C_{\mu,N}$) to obtain the thrust coefficient to compute the equivalent longitudinal aerodynamic characteristics. This approximation made it possible to

compare different nozzle arrangements at a constant thrust.

The nominal lift, drag, and pitching moment coefficient corresponding to a selected nominal momentum coefficient, $C_{\mu,NOM}$, are given by:

$$C_{L,NOM} = C_{L,EQ} + \eta C_{\mu,NOM} \sin \alpha$$

$$C_{D,NOM} = C_{D,EQ} - \eta C_{\mu,NOM} \cos \alpha$$

$$C_{M,NOM} = C_{m,EQ} + \eta C_{\mu,NOM} z/\bar{c}$$

RESULTS

The results of the investigation are presented without discussion in Table 4, and are analyzed in detail in ref. 5. A run schedule is presented in Table 3. Some typical data are presented in figure 5 to illustrate the effect on the longitudinal aerodynamic characteristics of a configuration utilizing a close-coupled canard-wing, spanwise blowing over the wing, and a vectored-engine-over wing installation with a wing trailing-edge coanda-effect flap. The data indicate that for the configuration with no canard and with $NPR=2.8$, spanwise blowing results in sizeable increases in lift and improvements in the drag polar. Adding the canard delays the beneficial effects of spanwise blowing on the drag polar to higher lift coefficients.

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TABLE 1. - PHYSICAL CHARACTERISTICS OF THE TEST MODEL

FUSELAGE:

Diameter of body-of revolution with a pointed nose shape	15.875 cm
Total body length	177.80 cm

HORIZONTAL CANARD:

All moveable canard (small)

Exposed area	.043387 m ²
Span geometric (root to tip)	17.4904 cm
Mean Geometric chord	15.3416
Leading-Edge Sweep	50°
Hinge line location	FS 36.140
Aspect Ratio	2.5
Taper ratio	.3
Dihedral	0°
Airfoil Section	4.0% circular arc

All Moveable canard (large)

Exposed area	.0654192 m ²
Span (root to tip)	20.221
Mean Geometric chord	17.739
Leading-Edge Sweep	50°
Hinge line location	FS 36.140
Aspect Ratio	2.5
Taper Ratio	.3
Dihedral	0°
Airfoil section	4.0% circular arc

WING:

Area (reference-based on theoretical trapezoidal planform)	.3252 m ²
Span	110.424 cm
Mean Geometric chord	31.250 cm

TABLE 1. - Concluded

Leading-Edge Sweep	40°
Aspect Ratio	3.75
Taper Ratio	.4
Dihedral	0
Airfoil	64A2xx

TABLE 2.- NOZZLE AREAS IN CM²

	LEFT NOZZLE	LEFT SPAN NOZZLE	RIGHT SPAN NOZZLE	RIGHT NOZZLE
<u>NOZZLE AR 4</u>				
Without Spanwise Nozzle (RAMP N1a)	22.997	--	--	23.267
With Spanwise Nozzle (RAMP N1b)	19.797	3.251	3.251	20.008
With Spanwise Nozzle (RAMP N1c)	16.622	6.493	6.493	16.406
<u>NOZZLE AR 6</u>				
Without Spanwise Nozzle (RAMP N2a)	23.183	--	--	23.173
With Spanwise Nozzle (RAMP N2b)	19.790	3.194	3.285	19.788
With Spanwise Nozzle (RAMP N2c)	16.827	6.470	6.470	16.604
<u>NOZZLE AR 8</u>				
Without Spanwise Nozzle (RAMP N3a)	22.425	--	--	22.030

TABLE 3.- RUN SCHEDULE

Run	M	Nozzle AR	Span- wise nozzle config	Nozzle plug	NPR	δ_{f1}	δ_{f2}	δ_{f3}	δ_{f4}	δ_c			
1	.17	.6	OFF	N _{2a}	2.8	0	0	10	OFF	OFF			
2					2.5								
3					2.0								
4					1.0								
7	.166				1.0			0					
8					2.0								
9					2.5								
10					2.8								
12	0				2.8			15					
13	.166				1.0								
14					2.0								
15					2.5								
16					2.8								
17					1.0			20					
18					2.0								
19					2.5								
20					2.8								
23					1.0			OFF	20				
24					2.0								
25					2.5								
26					2.8								
28					1.0		20						
29					2.8								
31					1.0		15		15				
32					2.5								
33					1.0			15	OFF				
34					2.8								

TABLE 3.- CONTINUED

Run	M	Nozzle AR	Span- wise nozzle config	Nozzle plug	NPR	δ_{f1}	δ_{f2}	δ_{f3}	δ_{f4}	δ_c			
35	.166	6	OFF	N _{2a}	1.0	0	10	10	OFF	OFF			
36					2.8								
37	0				2.8		0	OFF	0				
38	.166				1.0								
39					2.8								
40					1.0	20	0	0	OFF				
41					2.8								
42					1.0	10							
43					2.8								
44					2.8								
45					1.0		15	15					
46					2.8								
47					1.0	20							
48					2.8								
50			Large	N _{2c}	1.0								
51					2.8								
52					1.0	10							
53					2.8								
55					1.0	0							
56					2.0								
57					2.5								
58					2.8								
60	0				2.8	0	0	0					
61	.166				1.0								
62					2.0								
63					2.5								
64					2.8								

TABLE 3.- CONTINUED

Run	M	Nozzle AR	Span- wise nozzle config	Nozzle plug	NPR	δ_{f1}	δ_{f2}	δ_{f3}	δ_{f4}	δ_c			
65	.166	6	Large	N _{2c}	1.0	10	0	0	OFF	OFF			
66					2.8								
67					1.0	20							
68					2.8								
69			Small	N _{2b}	1.0		10	15					
70					2.8								
71					1.0	0							
72					2.0								
73					2.5								
74					2.8								
76					1.0		15						
77					2.0								
78					2.5								
79					2.8								
81					1.0			OFF	15				
82					2.8								
84					1.0		0	0	OFF				
85					2.8								
87		4	OFF	N _{1a}	1.0								
88					2.0								
89					2.5								
90					2.8								
92					1.0			10					
93					2.0								
94					2.5								
95					2.8								
97					1.0			15					

TABLE 3.- CONTINUED

Run	M	Nozzle AR	Span- wise nozzle config	Nozzle plug	NPR	δ_{f1}	δ_{f2}	δ_{f3}	δ_{f4}	δ_c			
98	.166	4	OFF	N _{1a}	2.0	0	0	15	OFF	OFF			
99					2.5								
100					2.8								
102					1.0			20					
103					2.8								
105					1.0			OFF	20				
106					2.8								
107					1.0		20	20	OFF				
108					2.8								
109					1.0		15	15					
110					2.8								
111					1.0	20							
112					2.8								
113					1.0		0	0					
114					2.8								
116			1.0 in	N _{1c}	1.0	0	15	15					
117					2.8								
119			0.5	N _{1b}	1.0								
120					2.8								
121					1.0					Large 0°			
122					2.8								
123					1.0					Large -20°			
124					2.8								
125					1.0					Large +20°			
126					2.8								
127					1.0					Large +10°			
128					2.8								

TABLE 3.- CONTINUED

Run	M	Nozzle AR	Span- wise nozzle config	Nozzle plug	NPR	δ_{f1}	δ_{f2}	δ_{f3}	δ_{f4}	δ_c			
129	.166	4	0.5	N _{1b}	1.0	0	15	15	OFF	Large -10°			
130					2.8								
131					1.0					Small 0°			
132					2.8								
133					1.0		0						
134					2.8								
135					1.0					OFF			
136					2.8								
137			OFF	N _{1a}	1.0		15			Large 0			
138					2.8								
139					1.0	20							
140					2.8								
141					1.0					Large +20°			
142					2.8								
143					1.0					Large -20°			
144					2.8								
145					1.0					Large +10			
146					2.8								
147					1.0					Large -10			
148					2.8								
149					1.0					Small 0			
150					2.8								
151					1.0					Small +20			
152					2.8								
153					1.0					Small -20			
154					2.8								
156		8		N _{3a}	1.0					OFF			

TABLE 3.- CONTINUED

Run	M	Nozzle AR	Span- wise nozzle config	Nozzle plug	NPR	δ_{f1}	δ_{f2}	δ_{f3}	δ_{f4}	δ_c			
157	.166	8	OFF	N _{3a}	2.0	20	15	15	OFF	OFF			
158					2.5								
159					2.8								
160					1.0	0							
161					2.8								
162					1.0		0						
163					2.0								
164					2.5								
165					2.8								
168					1.0			10					
169					2.0								
170					2.5								
171					2.8								
172					1.0		10						
173					2.0								
174					2.5								
175					2.8								
176					1.0		20	OFF	20				
177					2.8								
180					2.8		0	0	OFF				
181					2.5								
182					1.0								
183		4		N _{1a}	1.0					Small 0°			
184					2.8								
185	.400				1.0								
186					2.8								
187	.166				1.0					Large 0°			

TABLE 3.- CONCLUDED

[illegible]

TABLE IV. TABULATION OF THE AERODYNAMIC COEFFICIENTS

NASA LANGLEY												7 X 10 HIGH SPEED TUNNEL											
TEST		995				RUN										1							
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF												
11	.169	2015	.05	.13	101369	.8232	-1.7056	-.4613	-.0044	-.0035	-.0103												
12	.169	2015	-1.82	.13	101369	.6822	-1.7009	-.4912	-.0047	-.0023	.0028												
13	.170	2051	.07	.13	101332	.8150	-1.6742	-.4532	-.0035	-.0019	.0076												
14	.171	2064	1.99	.13	101319	.9495	-1.6668	-.4194	-.0037	-.0017	.0087												
15	.174	2150	3.94	.13	101306	1.0490	-1.6129	-.3726	-.0040	-.0019	.0093												
16	.171	2068	5.93	.13	101322	1.2427	-1.7088	-.3566	-.0039	-.0021	.0208												
17	.171	2064	7.99	.13	101325	1.4013	-1.7173	-.3210	-.0031	-.0026	.0145												
19	.172	2091	10.06	.13	101363	1.5093	-1.7055	-.2953	-.0030	-.0017	.0085												
20	.169	2025	12.14	.13	101372	1.6872	-1.7601	-.2775	-.0028	-.0014	.0084												
21	.170	2051	14.24	.13	101345	1.8068	-1.7322	-.2314	-.0030	-.0002	-.0055												
22	.169	2025	16.17	.13	101365	1.9652	-1.7433	-.2255	-.0048	-.0012	.0088												
23	.169	2035	18.22	.13	101359	2.1342	-1.7325	-.2033	-.0027	-.0005	.0084												
24	.171	2068	20.20	.13	101335	2.2838	-1.7077	-.1641	-.0023	-.0002	.0093												
25	.170	2058	21.62	.13	101339	2.4200	-1.7168	-.1388	-.0019	.0001	.0072												
26	.169	2025	.06	.13	101365	.7780	-1.5796	-.4289	-.0007	-.0025	.0090												

TEST		995				RUN										1					
POINT		ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C											
11		.0467	30.9960	2.8709	16.0000	1.7921	1.8328	0.0000	-1.8037	.0181											
12		-1.8173	30.9098	2.8643	16.0000	1.7908	1.8315	0.0000	-1.7964	.0181											
13		.0703	30.8247	2.8620	16.0000	1.7564	1.7963	0.0000	-1.7627	.0181											
14		1.9888	30.7596	2.8622	16.0000	1.7403	1.7799	0.0000	-1.7475	.0080											
15		3.9374	30.7080	2.8583	16.0000	1.6711	1.7090	0.0000	-1.6738	.0162											
16		5.9265	30.6911	2.8739	16.0000	1.7540	1.7939	0.0000	-1.7502	.0168											
17		7.9855	30.8081	2.8678	16.0000	1.7503	1.7901	0.0000	-1.7397	.0169											
19		10.0605	30.8597	2.8776	16.0000	1.7380	1.7775	0.0000	-1.7175	.0172											
20		12.1417	30.8252	2.8719	16.0000	1.7923	1.8330	0.0000	-1.7557	.0188											
21		14.2375	30.7606	2.8725	16.0000	1.7667	1.8068	0.0000	-1.7184	.0209											
22		16.1742	30.7279	2.8713	16.0000	1.7875	1.8281	0.0000	-1.7241	.0227											
23		18.2199	30.6978	2.8698	16.0000	1.7777	1.8182	0.0000	-1.6954	.0243											
24		20.2010	30.6149	2.8626	16.0000	1.7436	1.7832	0.0000	-1.6416	.0252											
25		21.6188	30.6227	2.8585	16.0000	1.7519	1.7917	0.0000	-1.6305	.0251											
26		.0587	29.1716	2.7439	16.0000	1.6683	1.7063	0.0000	-1.6730	.0271											

TEST		995				RUN										1					
POINT		ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM									
11		.0467	.8246	-1.7049	-.4613	.8231	.0698	-.2591	.8246	-1.6910	-.4577	1.8000									
12		-1.8173	.6280	-1.7217	-.4912	.6847	.0581	-.2891	.6289	-1.7090	-.4877	1.8000									
13		.0703	.8170	-1.6732	-.4532	.8149	.0651	-.2551	.8170	-1.6949	-.4536	1.8000									
14		1.9888	1.0068	-1.6328	-.4194	.9464	.0984	-.2231	1.0075	-1.6605	-.4216	1.8000									
15		3.9374	1.1573	-1.5371	-.3726	1.0425	.1130	-.1840	1.1634	-1.6420	-.3826	1.8000									
16		5.9265	1.4125	-1.5714	-.3566	1.2313	.1564	-.1587	1.4131	-1.5942	-.3573	1.8000									
17		7.9855	1.6263	-1.5059	-.3210	1.3831	.2105	-.1235	1.6277	-1.5324	-.3220	1.8000									
19		10.0605	1.7841	-1.4157	-.2953	1.4885	.2784	-.0992	1.7879	-1.4545	-.2978	1.8000									
20		12.1417	2.0197	-1.3659	-.2775	1.6427	.3676	-.0753	2.0129	-1.3531	-.2739	1.8000									
21		14.2375	2.1773	-1.2347	-.2314	1.7428	.4569	-.0321	2.1757	-1.2491	-.2307	1.8000									
22		16.1742	2.3730	-1.1269	-.2255	1.8751	.5671	-.0238	2.3653	-1.1232	-.2224	1.8000									
23		18.2199	2.5688	-.9783	-.2033	2.0130	.6860	-.0027	2.5633	-.9857	-.2013	1.8000									
24		20.2010	2.7330	-.8141	-.1641	2.1309	.7971	.0326	2.7386	-.8546	-.1659	1.8000									
25		21.6188	2.8823	-.7044	-.1388	2.2368	.8992	.0589	2.8853	-.7370	-.1397	1.8000									
26		.0587	.7796	-1.5789	-.4289	.7779	.0624	-.2407	.7797	-1.6976	-.4392	1.8000									

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TEST	995	RUN 2									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYN,B	CSF
27	.170	2044	.04	.13	101345	.7046	-1.3443	-.3578	-.0027	-.0023	.0098
28	.169	2035	-1.84	.13	101355	.5615	-1.3451	-.3916	-.0029	-.0027	.0051
29	.173	2114	.04	.13	101336	.6814	-1.2977	-.3452	-.0023	-.0021	.0077
30	.170	2058	1.94	.13	101332	.8396	-1.3385	-.3249	-.0019	-.0022	.0094
31	.170	2044	3.86	.13	101345	.9845	-1.3577	-.2945	-.0029	-.0024	.0108
32	.169	2025	5.93	.13	101365	1.1362	-1.3873	-.2648	-.0035	-.0038	.0136
33	.168	1995	7.92	.13	101396	1.2910	-1.4148	-.2324	-.0042	-.0027	.0125
34	.170	2051	10.06	.13	101339	1.4272	-1.3760	-.1987	-.0019	-.0023	.0131
35	.168	2015	12.12	.13	101375	1.5710	-1.4026	-.1751	-.0015	-.0019	.0092
36	.170	2058	14.22	.13	101339	1.6792	-1.3711	-.1281	-.0008	-.0015	.0110
37	.174	2140	16.21	.13	101323	1.7838	-1.3103	-.1187	-.0016	-.0016	.0105
38	.171	2068	18.23	.13	101322	2.0158	-1.3556	-.1059	-.0009	-.0014	.0117
39	.171	2074	20.21	.13	101342	2.1588	-1.3585	-.0738	-.0002	-.0012	.0118
40	.170	2054	21.65	.13	101342	2.3093	-1.3765	-.0446	-.0002	-.0009	.0111
41	.170	2044	.05	.13	101345	.6989	-1.3389	-.3576	-.0025	-.0024	.0077

TEST	995	RUN 2							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
27	.0449	26.4627	2.4732	16.0000	1.4318	1.4643	0.0000	-1.3993	.0267
28	-1.8410	26.4783	2.4773	16.0000	1.4416	1.4743	0.0000	-1.4094	.0181
29	.0426	26.4412	2.4731	16.0000	1.3844	1.4159	0.0000	-1.3533	.0173
30	1.9418	26.4631	2.4729	16.0000	1.4228	1.4552	0.0000	-1.3891	.0177
31	3.8572	26.4617	2.4736	16.0000	1.4319	1.4644	0.0000	-1.3965	.0176
32	5.9263	26.4591	2.4749	16.0000	1.4469	1.4798	0.0000	-1.4073	.0175
33	7.9225	26.4679	2.4763	16.0000	1.4603	1.5016	0.0000	-1.4240	.0178
34	9.9999	26.4685	2.4725	16.0000	1.4265	1.4589	0.0000	-1.3729	.0181
35	12.1155	26.4691	2.4713	16.0000	1.4524	1.4854	0.0000	-1.3869	.0191
36	14.2239	26.4623	2.4740	16.0000	1.4238	1.4561	0.0000	-1.3483	.0205
37	16.2071	26.4833	2.4720	16.0000	1.3689	1.4080	0.0000	-1.2823	.0211
38	18.2266	26.4732	2.4728	16.0000	1.4167	1.4489	0.0000	-1.3136	.0232
39	20.2077	26.5020	2.4756	16.0000	1.4144	1.4465	0.0000	-1.2964	.0247
40	21.6527	26.5086	2.4758	16.0000	1.4270	1.4594	0.0000	-1.2966	.0258
41	.0491	26.5167	2.4777	16.0000	1.4360	1.4686	0.0000	-1.4036	.0181

TEST	995	RUN 2									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
27	.0449	.7056	-1.2437	-.3578	.7045	.0614	-.1962	.7056	-1.4053	-.3617	1.5000
28	-1.8410	.5180	-1.3625	-.3916	.5643	.0603	-.2290	.5172	-1.4056	-.3945	1.5000
29	.0426	.6823	-1.2972	-.3452	.6813	.0699	-.1890	.6824	-1.3968	-.3545	1.5000
30	1.9418	.8845	-1.3092	-.3249	.8362	.0951	-.1644	.8859	-1.3707	-.3299	1.5000
31	3.8572	1.0736	-1.2883	-.2945	.9773	.1227	-.1330	1.0760	-1.3406	-.2984	1.5000
32	5.9263	1.2734	-1.2625	-.2648	1.1240	.1591	-.1016	1.2754	-1.2997	-.2671	1.5000
33	7.9225	1.4737	-1.2234	-.2324	1.2713	.2131	-.0668	1.4735	-1.2396	-.2322	1.5000
34	9.9999	1.6444	-1.1073	-.1987	1.3967	.2795	-.0378	1.6514	-1.1649	-.2033	1.5000
35	12.1155	1.8304	-1.0416	-.1751	1.5256	.3593	-.0112	1.8334	-1.0747	-.1767	1.5000
36	14.2239	1.9646	-.9165	-.1281	1.6147	.4431	.0325	1.9751	-.9786	-.3290	1.5000
37	16.2071	2.0786	-.7684	-.1187	1.6965	.5338	.0357	2.1059	-.8754	-.1297	1.5000
38	18.2266	2.3387	-.6571	-.1059	1.8955	.6653	.0539	2.3543	-.7278	-.1116	1.5000
39	20.2077	2.4952	-.5292	-.0738	2.0066	.7734	.0858	2.5132	-.6030	-.0797	1.5000
40	21.6527	2.6542	-.4273	-.0446	2.1277	.8732	.1163	2.6689	-.4900	-.0491	1.5000
41	.0491	.7001	-1.3383	-.3576	.6988	.0796	-.1956	.7001	-1.3871	-.3611	1.5000

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7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 3									
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
42	.170	2054	.03	.13	101345	.5846	-.8282	-.2590	-.0022	-.0017	.0038
43	.170	2061	-1.83	.13	101342	.4459	-.8248	-.2892	-.0024	-.0021	-.0020
44	.171	2064	.04	.13	101346	.5950	-.8328	-.2575	-.0026	-.0019	.0021
45	.170	2058	1.83	.13	101345	.7300	-.8436	-.2287	-.0023	-.0018	.0041
46	.170	2044	3.86	.13	101359	.8770	-.8663	-.2004	-.0023	-.0017	.0066
47	.170	2054	5.87	.13	101349	1.0250	-.8815	-.1658	-.0025	-.0038	.0104
48	.170	2041	7.92	.13	101362	1.1809	-.8989	-.1360	-.0021	-.0018	.0069
49	.171	2074	9.96	.13	101339	1.3142	-.8983	-.1080	-.0019	-.0015	.0086
50	.171	2081	12.07	.13	101322	1.4584	-.8881	-.0773	-.0013	-.0012	.0071
51	.171	2081	14.07	.13	101322	1.5926	-.8868	-.0413	-.0013	-.0011	.0076
52	.169	2038	16.20	.13	101366	1.7706	-.8947	-.0430	-.0032	-.0013	.0079
53	.171	2071	18.20	.13	101332	1.9329	-.8886	-.0204	-.0021	-.0014	.0074
54	.171	2084	20.19	.13	101319	2.0923	-.8823	.0154	-.0013	-.0013	.0077
55	.171	2068	21.66	.13	101366	2.2111	-.9035	.0402	-.0007	-.0006	.0090
56	.172	2067	.04	.13	101326	.5976	-.8623	-.2665	-.0020	-.0022	-.0026

TEST	995	RUN 3								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
42	.0295	20.2936	1.8913	16.0000	.9316	.9528	0.0000	-.4425	.0158	
43	-1.8341	20.3311	1.8975	16.0000	.9328	.9540	0.0000	-.8452	.0158	
44	.0352	20.3936	1.9822	16.0000	.9365	.9578	0.0000	-.8487	.0156	
45	1.8260	20.4524	1.9122	16.0000	.9457	.9672	0.0000	-.8605	.0156	
46	3.8572	20.5025	1.9140	16.0000	.9546	.9762	0.0000	-.8671	.0155	
47	5.8740	20.5395	1.9218	16.0000	.9545	.9762	0.0000	-.8660	.0153	
48	7.9212	20.5832	1.9232	16.0000	.9638	.9849	0.0000	-.8700	.0154	
49	9.9622	20.6146	1.9262	16.0000	.9588	.9724	0.0000	-.8541	.0156	
50	12.0655	20.6407	1.9294	16.0000	.9696	.9711	0.0000	-.8480	.0161	
51	14.0670	20.6939	1.9334	16.0000	.9543	.9760	0.0000	-.8448	.0171	
52	16.1955	20.6372	1.9278	16.0000	.9697	.9917	0.0000	-.8492	.0180	
53	18.2038	20.6673	1.9284	16.0000	.9546	.9763	0.0000	-.8269	.0187	
54	20.1914	20.7061	1.9279	16.0000	.9698	.9714	0.0000	-.8113	.0199	
55	21.6578	20.7961	1.9386	16.0000	.9649	.9868	0.0000	-.8193	.0204	
56	.0424	20.9241	1.9911	16.0000	.9672	.9891	0.0000	-.8046	.0156	

TEST	995	RUN 3									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
42	.0295	.5851	-.8279	-.2590	.5846	.0880	-.1539	.5852	-1.0854	-.2862	1.2000
43	-1.8341	.4193	-.8386	-.2892	.4492	.0778	-.1848	.4116	-1.0949	-.3163	1.2000
44	.0352	.5955	-.8316	-.2575	.5949	.0893	-.1518	.5957	-1.0841	-.2842	1.2000
45	1.8260	.7565	-.8199	-.2287	.7263	.1897	-.1220	.7637	-1.0630	-.2544	1.2000
46	3.8572	.9333	-.8053	-.2004	.8691	.1316	-.0927	.9480	-1.0391	-.2251	1.2000
47	5.8740	1.1098	-.7728	-.1658	1.0122	.1622	-.0582	1.1322	-1.0050	-.1905	1.2000
48	7.9212	1.2935	-.7276	-.1368	1.1808	.2109	-.0273	1.3225	-.9513	-.1597	1.2000
49	9.9622	1.4484	-.6495	-.1088	1.2840	.2714	-.0007	1.4869	-.8843	-.1331	1.2000
50	12.0655	1.6118	-.5637	-.0773	1.4133	.3488	.0299	1.6586	-.7986	-.1025	1.2000
51	14.0670	1.7604	-.4731	-.0413	1.5285	.4354	.8664	1.8137	-.7027	-.0660	1.2000
52	16.1955	1.9499	-.3653	-.0430	1.6794	.5479	.8664	2.0867	-.5789	-.0660	1.2000
53	18.2038	2.1112	-.2327	-.0204	1.8130	.6554	.8873	2.1796	-.4592	-.0450	1.2000
54	20.1914	2.2682	-.1059	.0154	1.9484	.7656	.1225	2.3454	-.3356	-.0098	1.2000
55	21.6578	2.3884	-.0237	.0402	2.0323	.8527	.1491	2.4654	-.2378	.0167	1.2000
56	.0424	.5983	-.8619	-.2665	.5976	.0897	-.1574	.5984	-1.0837	-.2898	1.2000

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TEST		995		RUN		4		4		4	
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
57	.172	2110	.01	.13	101346	.2700	.0334	-.0694	-.0017	-.0010	-.0018
58	.170	2051	-1.85	.13	101356	.1468	.0406	-.1045	-.0017	-.0013	-.0044
59	.172	2104	.02	.13	101302	.2817	.0366	-.0694	-.0017	-.0010	-.0037
60	.171	2074	1.85	.13	101346	.4114	.0323	-.0363	-.0017	-.0009	-.0027
61	.170	2061	3.89	.13	101349	.5500	.0209	-.0035	-.0015	-.0007	.0005
62	.169	2031	5.76	.13	101379	.6688	.0094	.0357	-.0010	-.0016	.0012
63	.170	2058	7.44	.13	101352	.8049	.0026	.0775	-.0014	-.0008	.0003
64	.171	2071	9.96	.13	101339	.9134	-.0112	.1177	-.0015	-.0006	.0046
65	.170	2051	12.10	.13	101359	1.0225	-.0142	.1614	-.0016	-.0003	.0033
66	.171	2081	14.14	.13	101346	1.1177	-.0125	.2098	-.0009	-.0002	.0038
67	.170	2048	16.12	.13	101362	1.2466	.0006	.2396	-.0000	-.0005	.0015
68	.169	2035	18.16	.13	101376	1.3969	.0200	.2465	-.0012	-.0006	.0038
69	.171	2064	20.16	.13	101346	1.5540	.0152	.2864	-.0005	-.0004	.0003
70	.170	2041	21.44	.13	101369	1.6484	.0185	.3147	-.0001	-.0000	.0053
71	.170	2054	.02	.13	101356	.2785	.0463	-.0695	-.0014	-.0005	-.0038

TEST		995			RUN		4			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
57	.0127	0.0000	.9737	16.0000	0.0000	0.0000	0.0000	.0242	.0075	
58	-1.8494	0.0000	.9740	16.0000	0.0000	0.0000	0.0000	.0246	.0076	
59	.0205	0.0000	.9734	16.0000	0.0000	0.0000	0.0000	.0245	.0075	
60	1.8528	0.0000	.9732	16.0000	0.0000	0.0000	0.0000	.0251	.0075	
61	3.8925	0.0000	.9741	16.0000	0.0000	0.0000	0.0000	.0243	.0074	
62	5.7592	0.0000	.9742	16.0000	0.0000	0.0000	0.0000	.0246	.0072	
63	7.8366	0.0000	.9736	16.0000	0.0000	0.0000	0.0000	.0247	.0070	
64	9.9558	0.0000	.9737	16.0000	0.0000	0.0000	0.0000	.0243	.0071	
65	12.0982	0.0000	.9738	16.0000	0.0000	0.0000	0.0000	.0243	.0073	
66	14.1417	0.0000	.9721	16.0000	0.0000	0.0000	0.0000	.0253	.0073	
67	16.1233	0.0000	.9686	16.0000	0.0000	0.0000	0.0000	.0286	.0077	
68	18.1566	0.0000	.9623	16.0000	0.0000	0.0000	0.0000	.0342	.0094	
69	20.1557	0.0000	.9610	16.0000	0.0000	0.0000	0.0000	.0344	.0096	
70	21.4442	0.0000	.9613	16.0000	0.0000	0.0000	0.0000	.0343	.0097	
71	.0151	0.0000	.9745	16.0000	0.0000	0.0000	0.0000	.0241	.0075	

TEST		995		RUN		4		4		4	
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
57	.0127	.2700	.0335	-.0694	.2700	.0017	-.0694	.2700	.0260	-.0694	1.0000
58	-1.8494	.1480	.0358	-.1045	.1480	.0036	-.1045	.1480	.0282	-.1045	1.0000
59	.0205	.2817	.0367	-.0694	.2817	.0047	-.0694	.2817	.0293	-.0694	1.0000
60	1.8528	.4101	.0456	-.0363	.4101	.0131	-.0363	.4101	.0381	-.0363	1.0000
61	3.8925	.5473	.0582	-.0035	.5473	.0265	-.0035	.5473	.0506	-.0035	1.0000
62	5.7592	.6645	.0765	.0357	.6645	.0447	.0357	.6645	.0693	.0357	1.0000
63	7.8366	.7971	.1123	.0775	.7971	.0806	.0775	.7971	.1053	.0775	1.0000
64	9.9558	.9015	.1469	.1177	.9015	.1154	.1177	.9015	.1397	.1177	1.0000
65	12.0982	1.0027	.2004	.1614	1.0027	.1688	.1614	1.0027	.1931	.1614	1.0000
66	14.1417	1.0869	.2610	.2098	1.0869	.2284	.2098	1.0869	.2536	.2098	1.0000
67	16.1233	1.1974	.3467	.2396	1.1974	.3104	.2396	1.1974	.3390	.2396	1.0000
68	18.1566	1.3211	.4543	.2465	1.3211	.4108	.2465	1.3211	.4450	.2465	1.0000
69	20.1557	1.4536	.5498	.2864	1.4536	.5057	.2864	1.4536	.5401	.2864	1.0000
70	21.4442	1.5305	.6125	.3147	1.5305	.5684	.3147	1.5305	.6627	.3147	1.0000
71	.0151	.2785	.0464	-.0695	.2785	.0148	-.0695	.2785	.0389	-.0695	1.0000

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST	995		RUN 7								
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
95	.169	1985	.01	-.00	98862	.1748	.8481	-.0261	.0575	.0206	1.7923
96	.166	1902	-1.85	-.00	98885	.0467	.8558	-.0595	.0589	.0212	1.8672
97	.165	1886	.01	-.00	98899	.1804	.0525	-.0258	.0604	.0217	1.8829
98	.165	1892	1.95	-.00	98888	.3089	.0467	.0078	.0595	.0217	1.8793
99	.164	1869	3.89	-.00	98915	.4436	.0378	.0439	.0590	.0218	1.9032
100	.165	1876	5.88	-.00	98902	.5857	.0250	.0795	.0588	.0209	1.9048
101	.164	1872	7.93	-.00	98905	.7164	.0128	.1174	.0592	.0214	1.8991
102	.165	1886	10.01	-.00	98892	.8482	.0068	.1574	.0590	.0208	1.8944
103	.164	1866	12.05	-.00	98912	.9548	.0044	.1984	.0601	.0225	1.9104
104	.164	1872	14.13	-.00	98905	1.0612	.0027	.2483	.0603	.0221	1.8981
105	.164	1859	16.13	-.00	98915	1.1743	.0101	.2882	.0618	.0224	1.9110
106	.162	1816	18.14	-.00	98959	1.3173	.0299	.2932	.0611	.0224	1.9586
107	.161	1793	20.14	-.00	98902	1.4539	.0264	.3305	.0629	.0233	1.9825
108	.159	1753	21.47	-.00	99032	1.5652	.0218	.3641	.0659	.0245	2.0292
109	.169	1981	.05	-.00	98905	.1773	.0583	-.0260	.0574	.0205	1.7941

TEST	995			RUN 7					
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
95	.0098	0.0000	.9788	3.6172	0.0000	0.0000	0.0000	.0202	.0074
96	-1.8548	0.0000	.9797	3.6185	0.0000	0.0000	0.0000	.0203	.0074
97	.0074	0.0000	.9804	3.6196	0.0000	0.0000	0.0000	.0197	.0074
98	1.9523	0.0000	.9799	3.6188	0.0000	0.0000	0.0000	.0201	.0074
99	3.8934	0.0000	.9807	3.6201	0.0000	0.0000	0.0000	.0195	.0074
100	5.8848	0.0000	.9804	3.6196	0.0000	0.0000	0.0000	.0197	.0073
101	7.9327	0.0000	.9805	3.6198	0.0000	0.0000	0.0000	.0196	.0072
102	10.0056	0.0000	.9807	3.6201	0.0000	0.0000	0.0000	.0191	.0073
103	12.0490	0.0000	.9804	3.6196	0.0000	0.0000	0.0000	.0195	.0077
104	14.1267	0.0000	.9794	3.6181	0.0000	0.0000	0.0000	.0202	.0077
105	16.1313	0.0000	.9777	3.6154	0.0000	0.0000	0.0000	.0219	.0077
106	18.1407	0.0000	.9707	3.6047	0.0000	0.0000	0.0000	.0240	.0088
107	20.1440	0.0000	.9710	3.6050	0.0000	0.0000	0.0000	.0268	.0092
108	21.4667	0.0000	.9705	3.6043	0.0000	0.0000	0.0000	.0297	.0093
109	.0517	0.0000	.9808	3.6203	0.0000	0.0000	0.0000	.0183	.0074

TEST	995		RUN 7								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
95	.0098	.1748	.8481	-.0261	.1748	.0205	-.0261	.1748	.0407	-.0261	1.0000
96	-1.8548	.0485	.0543	-.0595	.0485	.0267	-.0595	.0485	.0469	-.0595	1.0000
97	.0074	.1804	.0525	-.0258	.1804	.0254	-.0258	.1804	.0451	-.0258	1.0000
98	1.9523	.3072	.0572	.0078	.3072	.0297	.0078	.3072	.0498	.0078	1.0000
99	3.8934	.4480	.0678	.0439	.4480	.0410	.0439	.4480	.0685	.0439	1.0000
100	5.8848	.5801	.0850	.0795	.5801	.0579	.0795	.5801	.0776	.0795	1.0000
101	7.9327	.7078	.1116	.1174	.7078	.0848	.1174	.7078	.1044	.1174	1.0000
102	10.0056	.8263	.1527	.1574	.8263	.1264	.1574	.8263	.1454	.1574	1.0000
103	12.0490	.9329	.2036	.1984	.9329	.1764	.1984	.9329	.1959	.1984	1.0000
104	14.1267	1.0285	.2616	.2463	1.0285	.2338	.2463	1.0285	.2539	.2463	1.0000
105	16.1313	1.1253	.3360	.2802	1.1253	.3064	.2802	1.1253	.3283	.2802	1.0000
106	18.1407	1.2425	.4386	.2932	1.2425	.4008	.2932	1.2425	.4298	.2932	1.0000
107	20.1440	1.3559	.5255	.3305	1.3559	.4875	.3305	1.3559	.5163	.3305	1.0000
108	21.4667	1.4486	.5931	.3641	1.4486	.5541	.3641	1.4486	.5838	.3641	1.0000
109	.0517	.1772	.0585	-.0268	.1772	.0327	-.0268	.1772	.0511	-.0260	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 8									
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
110	.167	1929	.01	-.00	98885	.1848	-.0567	-.0233	.0595	.0213	1.8444
111	.165	1886	.04	-.00	98959	.2663	-.9623	-.1058	.0592	.0209	1.8932
112	.165	1886	-1.96	-.00	98963	.1199	-.9634	-.1383	.0578	.0202	1.8879
113	.165	1889	.03	-.00	98959	.2780	-.9693	-.1043	.0593	.0206	1.8839
114	.165	1892	1.97	-.00	98960	.4015	-.9537	-.0749	.0581	.0206	1.8834
115	.165	1886	3.49	-.00	98966	.5469	-.9507	-.0409	.0573	.0209	1.8894
116	.164	1872	5.86	-.00	98986	.6957	-.9517	-.0088	.0569	.0215	1.9009
117	.165	1882	7.90	-.00	98976	.8392	-.9608	.0285	.0576	.0211	1.8920
118	.165	1892	9.98	-.00	98966	.9950	-.9616	.0611	.0571	.0208	1.8825
119	.164	1859	12.08	-.00	99003	1.1298	-.9854	.0887	.0598	.0213	1.9072
120	.162	1829	14.18	-.00	99030	1.2692	-1.0088	.1223	.0622	.0214	1.9478
121	.164	1866	16.14	-.00	98996	1.4064	-.9919	.1479	.0604	.0206	1.9107
122	.164	1863	18.15	-.00	98996	1.6099	-.9923	.1445	.0602	.0203	1.9112
123	.166	1912	20.16	-.00	98950	1.7798	-.9708	.1769	.0591	.0207	1.8666
124	.165	1882	21.47	-.00	98976	1.8947	-.9964	.1976	.0604	.0214	1.8981
125	.166	1912	.03	-.00	98953	.2638	-.9436	-.1053	.0586	.0201	1.8621

TEST	995	RUN 8							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
110	.0127	0.0000	.9821	3.6223	0.0000	0.0000	0.0000	-.0176	.0118
111	.0383	20.6218	1.9771	5.1645	1.0649	1.0891	0.0000	-.9826	.0172
112	-1.8586	20.6499	1.9810	5.1706	1.0676	1.0919	0.0000	-.9861	.0174
113	.0253	20.6604	1.9848	5.1765	1.0689	1.0932	0.0000	-.9886	.0176
114	1.9672	20.5045	1.9633	5.1432	1.0523	1.0762	0.0000	-.9648	.0180
115	3.8920	20.4099	1.9509	5.1240	1.0449	1.0686	0.0000	-.9541	.0182
116	5.8571	20.2267	1.9307	5.0926	1.0347	1.0582	0.0000	-.9379	.0184
117	7.9033	20.2528	1.9347	5.0987	1.0323	1.0557	0.0000	-.9328	.0185
118	9.9773	20.2760	1.9338	5.0973	1.0267	1.0500	0.0000	-.9216	.0189
119	12.0838	20.3189	1.9393	5.1059	1.0508	1.0747	0.0000	-.9549	.0192
120	14.1810	20.3843	1.9496	5.1219	1.0760	1.1005	0.0000	-.9287	.0189
121	16.1431	20.4324	1.9510	5.1241	1.0585	1.0825	0.0000	-.9226	.0189
122	18.1507	20.4487	1.9533	5.1276	1.0619	1.0860	0.0000	-.8878	.0187
123	20.1555	20.3968	1.9537	5.1282	1.0319	1.0553	0.0000	-.9029	.0206
124	21.4728	20.5120	1.9630	5.1427	1.0589	1.0829	0.0000	-.9670	
125	.0313	20.6547	1.9751	5.1614	1.0549	1.0789	0.0000		

TEST	995	RUN 8									
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
110	.0127	.1848	-.0568	-.0233	.1848	.0274	-.0233	.1848	-.0450	-.0233	1.0000
111	.0383	.2669	-.9621	-.1058	.2662	.0856	-.0143	.2670	-1.0877	-.1180	1.2000
112	-1.8586	.0886	-.9667	-.1383	.1232	.0830	-.0179	.0851	-1.0898	-.1503	1.2000
113	.0253	.2784	-.9692	-.1043	.2779	.0822	-.0163	.2785	-1.0912	-.1161	1.2000
114	1.9672	.4340	-.9394	-.0749	.3979	.0943	.0438	.4381	-1.0783	-.0885	1.2000
115	3.8920	.6102	-.9113	-.0409	.5392	.1130	.0770	.6189	-1.0577	-.0554	1.2000
116	5.8571	.7892	-.8758	-.0088	.6836	.1351	.1879	.8033	-1.0321	-.0244	1.2000
117	7.9033	.9634	-.8363	.0285	.8214	.1678	.1450	.9828	-.9944	.0126	1.2000
118	9.9773	1.1465	-.7747	.0611	.9686	.2180	.1769	1.1719	-.9376	.0446	1.2000
119	12.0838	1.3110	-.7271	.0887	1.0911	.2815	.2873	1.3367	-.8658	.0749	1.2000
120	14.1810	1.4777	-.6671	.1223	1.2140	.3569	.2437	1.5015	-.7807	.1114	1.2000
121	16.1431	1.6267	-.5617	.1479	1.3325	.4361	.2673	1.6587	-.6910	.1349	1.2000
122	18.1507	1.8389	-.4414	.1445	1.5081	.5487	.2643	1.8737	-.5662	.1319	1.2000
123	20.1555	2.0053	-.2981	.1769	1.6497	.6523	.2933	2.0540	-.4492	.1609	1.2000
124	21.4728	2.1279	-.2337	.1976	1.7403	.7338	.3170	2.1698	-.3589	.1847	1.2000
125	.0313	.2643	-.9435	-.1053	.2637	.0908	.0137	.2643	-1.0825	-.1186	1.2000

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7 X 10 HIGH SPEED TUNNEL

TEST		995			7 X 10 HIGH SPEED TUNNEL							
		RUN 9										
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF	
126	.168	1948	.02	-.00	98920	.2923	-1.4592	-.1518	.0573	.0192	1.0281	
127	.167	1932	-1.82	-.00	98936	.1553	-1.4953	-.1892	.0570	.0189	1.8479	
128	.165	1886	.06	-.00	98983	.3138	-1.5431	-.1627	.0590	.0198	1.8928	
129	.165	1889	1.96	-.00	98980	.4508	-1.5489	-.1348	.0580	.0190	1.8827	
130	.165	1876	3.91	-.00	98990	.6046	-1.5753	-.1857	.0578	.0199	1.9015	
131	.165	1896	5.88	-.00	98973	.7438	-1.5718	-.0724	.0562	.0191	1.8856	
132	.167	1942	7.93	-.00	98960	.8814	-1.5571	-.0367	.0563	.0190	1.8396	
133	.164	1872	9.99	-.00	98997	1.0558	-1.6234	-.0156	.0586	.0202	1.9080	
134	.166	1899	12.09	-.00	98966	1.1918	-1.6078	.0139	.0586	.0201	1.8816	
135	.165	1876	14.18	-.00	98997	1.3302	-1.6327	.0461	.0610	.0207	1.9011	
136	.166	1899	16.16	-.00	98966	1.4815	-1.6151	.0667	.0602	.0204	1.8799	
137	.165	1889	18.18	-.00	98980	1.6694	-1.6251	.0622	.0607	.0202	1.8914	
138	.166	1899	20.18	-.00	98980	1.8490	-1.6259	.0855	.0603	.0204	1.8817	
139	.167	1922	21.58	-.00	98950	1.9828	-1.6277	.1022	.0595	.0207	1.8602	
140	.166	1982	.03	-.00	98978	.3323	-1.6112	-.1884	.0584	.0199	1.8756	

TEST		995								
		RUN								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
126	.0228	26.6429	2.5616	6.0785	1.5439	1.5790	0.0000	-1.5192	.0215	
127	-1.8195	26.9851	2.5857	6.1079	1.5852	1.6212	0.0000	-1.5553	.0226	
128	.0605	27.0605	2.5931	6.1194	1.6318	1.6681	0.0000	-1.6024	.0234	
129	1.9593	27.1089	2.6024	6.1337	1.6336	1.6787	0.0000	-1.6079	.0236	
130	3.9147	27.1944	2.6074	6.1415	1.6923	1.6898	0.0000	-1.6217	.0239	
131	5.8825	27.2645	2.6183	6.1459	1.6482	1.6775	0.0000	-1.6026	.0237	
132	7.9335	27.3188	2.6162	6.1551	1.6849	1.6413	0.0000	-1.5632	.0232	
133	9.9927	27.3464	2.6164	6.1554	1.6668	1.7839	0.0000	-1.6126	.0236	
134	12.0918	27.4011	2.6234	6.1663	1.6482	1.6857	0.0000	-1.5853	.0240	
135	14.1835	27.4537	2.6326	6.1806	1.6746	1.7126	0.0000	-1.6087	.0239	
136	16.1647	27.5139	2.6355	6.1858	1.6586	1.6983	0.0000	-1.5687	.0235	
137	18.1794	27.5531	2.6414	6.1941	1.6788	1.7886	0.0000	-1.5658	.0235	
138	20.1767	27.6168	2.6477	6.2839	1.6688	1.7867	0.0000	-1.5447	.0233	
139	21.5828	27.7884	2.6598	6.2228	1.6689	1.6987	0.0000	-1.5235	.0229	
140	.0285	28.0107	2.6812	6.2559	1.6981	1.7367	0.0000	-1.6761	.0260	

TEST		995										
		RUN										
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM	
126	.0228	.2929	-1.4591	-.1518	.2923	.0633	.0224	.2929	-1.4034	-.1431	1.5000	
127	-1.8195	.1877	-1.4995	-.1892	.1581	.0624	-.0184	.1115	-1.4036	-.1758	1.5000	
128	.0605	.3155	-1.5427	-.1627	.3137	.0649	.0213	.3153	-1.4018	-.1441	1.5000	
129	1.9593	.5035	-1.5326	-.1348	.4476	.0764	.0495	.4978	-1.3894	-.1160	1.5000	
130	3.9147	.7107	-1.5303	-.1857	.5979	.0942	.0887	.6988	-1.3691	-.0847	1.5000	
131	5.8825	.9010	-1.4873	-.0724	.7329	.1206	.1126	.8832	-1.3384	-.0529	1.5000	
132	7.9335	1.0879	-1.4205	-.0367	.8664	.1458	.1443	1.0688	-1.3068	-.0211	1.5000	
133	9.9927	1.3215	-1.4156	-.0156	1.0324	.2012	.1723	1.2869	-1.2433	.0069	1.5000	
134	12.0918	1.5822	-1.3225	.0139	1.1569	.2656	.1999	1.4642	-1.1685	.0344	1.5000	
135	14.1835	1.6898	-1.2570	.0461	1.2794	.3427	.2350	1.6388	-1.0793	.0695	1.5000	
136	16.1647	1.8725	-1.1388	.0667	1.4188	.4387	.2538	1.8191	-.9780	.0884	1.5000	
137	18.1794	2.0938	-1.0231	.0822	1.5718	.5486	.2587	2.0294	-.8529	.0852	1.5000	
138	20.1767	2.2963	-.8884	.0855	1.7287	.6547	.2738	2.2266	-.7219	.1083	1.5000	
139	21.5828	2.4414	-.7877	.1022	1.8326	.7348	.2896	2.3782	-.6298	.1241	1.5000	
140	.0285	.3331	-1.6110	-.1884	.3323	.0612	.0832	.3338	-1.4055	-.1623	1.5000	

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		10		10		10		10	
POINT	MACH	Q N/(INXN)	ALPHA DEG	BETA DEG	P,INF N/(INXN)	CNF	CAF	CPM	CRM,B	CYM,B	CSF		
141	.167	1932	.03	-.00	98957	.3646	-1.6754	-.2100	.0569	.0195	1.8462		
142	.167	1935	-1.79	-.00	98953	.2168	-1.6698	-.2406	.0569	.0191	1.8433		
143	.167	1922	.06	-.00	98963	.3630	-1.6808	-.2093	.0573	.0194	1.8591		
144	.165	1892	1.96	-.00	98993	.5061	-1.7114	-.1820	.0579	.0197	1.8863		
145	.165	1892	3.91	-.00	99000	.6531	-1.7211	-.1492	.0570	.0201	1.8882		
146	.164	1869	5.91	-.00	99024	.8016	-1.7551	-.1175	.0566	.0195	1.9120		
147	.166	1919	7.94	-.00	98970	.9382	-1.7214	-.0769	.0564	.0190	1.8625		
148	.166	1909	9.99	-.00	98987	1.0943	-1.7332	-.0535	.0568	.0200	1.8704		
149	.165	1896	12.09	-.00	99000	1.2313	-1.7428	-.0262	.0583	.0202	1.8821		
150	.165	1896	14.18	-.00	99004	1.3733	-1.7475	.0099	.0591	.0210	1.8707		
151	.165	1886	16.12	-.00	99017	1.5264	-1.7528	.0291	.0602	.0203	1.8913		
152	.167	1942	18.18	-.00	98957	1.7255	-1.7309	.0190	.0586	.0194	1.8384		
153	.166	1902	20.16	-.00	99000	1.9173	-1.7766	.0396	.0595	.0202	1.8781		
154	.168	1945	21.50	-.00	98957	2.0377	-1.7408	.0624	.0586	.0203	1.8376		
155	.166	1915	.03	-.00	98980	.3696	-1.7112	-.2191	.0576	.0197	1.8621		
156	.167	1929	.01	-.00	99021	.1717	.0618	-.0248	.0593	.0213	1.8421		

TEST		995		RUN		10		10		10		10	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C				
141	.0256	29.0038	2.7728	6.3979	1.7573	1.7973	0.0000	-1.7400	.0267				
142	-1.7851	28.9684	2.7746	6.4007	1.7534	1.7932	0.0000	-1.7379	.0269				
143	.0648	28.9510	2.7706	6.3944	1.7618	1.8019	0.0000	-1.7469	.0272				
144	1.9560	28.9586	2.7716	6.3959	1.7916	1.8324	0.0000	-1.7746	.0278				
145	3.9081	28.9428	2.7714	6.3957	1.7897	1.8384	0.0000	-1.7717	.0278				
146	5.9050	28.9805	2.7702	6.3938	1.8132	1.8545	0.0000	-1.7875	.0283				
147	7.9413	28.9292	2.7665	6.3880	1.7631	1.8032	0.0000	-1.7292	.0275				
148	9.9893	28.9250	2.7654	6.3864	1.7706	1.8108	0.0000	-1.7277	.0277				
149	12.0930	28.9026	2.7675	6.3896	1.7843	1.8249	0.0000	-1.7295	.0278				
150	14.1838	28.9089	2.7711	6.3953	1.7840	1.8245	0.0000	-1.7185	.0277				
151	16.1236	28.9048	2.7668	6.3886	1.7932	1.8339	0.0000	-1.7078	.0277				
152	18.1770	29.2671	2.8053	6.4481	1.7722	1.8124	0.0000	-1.6749	.0267				
153	20.1588	29.3124	2.8036	6.4456	1.8098	1.8509	0.0000	-1.6885	.0271				
154	21.5016	29.2940	2.8040	6.4462	1.7696	1.8098	0.0000	-1.6362	.0264				
155	.0277	29.2319	2.7960	6.4338	1.7922	1.8330	0.0000	-1.7784	.0294				
156	.0116	0.0000	.9678	3.6001	0.0000	0.0000	0.0000	.0316	.0295				

TEST		995		RUN		10		10		10		10	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM		
141	.0256	.3654	-1.6753	-.2100	.3646	.0554	-.0118	.3654	-1.7046	-.2103	1.8000		
142	-1.7851	.1647	-1.6757	-.2406	.2193	.0499	-.0427	.1645	-1.7092	-.2413	1.8000		
143	.0648	.3649	-1.6804	-.2093	.3629	.0542	-.0105	.3649	-1.7058	-.2091	1.8000		
144	1.9560	.5642	-1.6931	-.1820	.5030	.0697	.0201	.5631	-1.6893	-.1785	1.8000		
145	3.9081	.7688	-1.6725	-.1492	.6469	.0852	.0527	.7668	-1.6707	-.1459	1.8000		
146	5.9050	.9779	-1.6633	-.1175	.7914	.1121	.0871	.9725	-1.6386	-.1115	1.8000		
147	7.9413	1.1670	-1.5752	-.0769	.9234	.1435	.1221	1.1666	-1.5997	-.0765	1.8000		
148	9.9893	1.3784	-1.5171	-.0535	1.0712	.1989	.1462	1.3765	-1.5344	-.0523	1.8000		
149	12.0930	1.5691	-1.4461	-.0262	1.1953	.2709	.1751	1.5640	-1.4501	-.0234	1.8000		
150	14.1838	1.7596	-1.3577	.0099	1.3225	.3442	.2112	1.7537	-1.3622	.0126	1.8000		
151	16.1236	1.9531	-1.2600	.0291	1.4551	.4349	.2314	1.9439	-1.2558	.0328	1.8000		
152	18.1770	2.1793	-1.1063	.0190	1.6265	.5507	.2189	2.1755	-1.1215	.0203	1.8000		
153	20.1588	2.4121	-1.0070	.0396	1.7884	.6649	.2438	2.3949	-.9873	.0453	1.8000		
154	21.5016	2.5340	-.8728	.0624	1.8853	.7472	.2621	2.5304	-.8903	.0635	1.8000		
155	.0277	.3705	-1.7110	-.2191	.3696	.0518	-.0169	.3705	-1.7082	-.2154	1.8000		
156	.0116	.1717	.0618	-.0248	.1717	.0807	-.0248	.1717	.0324	-.0248	1.0000		

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN 13					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CVM,B	CSF
186	.166	1912	.01	-.00	98990	.3180	.0626	-.0762	-.0013	.0002	.3054
187	.166	1912	-1.84	-.00	99000	.1797	.0663	-.1090	-.0014	.0004	.0040
188	.167	1930	.04	-.00	99007	.3184	.0647	-.0734	-.0009	.0006	.0076
189	.166	1919	1.92	-.00	99011	.4551	.0686	-.0424	-.0016	.0006	.0054
190	.167	1935	3.92	-.00	99021	.5833	.0495	-.0082	-.0008	.0007	.0060
191	.167	1925	5.90	-.00	98987	.7168	.0359	.0331	-.0005	-.0001	.0091
192	.166	1915	7.92	-.00	99000	.8385	.0254	.0730	-.0009	.0004	.0058
193	.166	1902	9.99	-.00	99000	.9514	.0189	.1156	-.0007	.0005	.0124
194	.165	1892	12.08	-.00	99014	1.0529	.0155	.1580	-.0008	.0006	.0097
195	.164	1872	14.15	-.00	99034	1.1441	.0191	.2050	-.0003	.0010	.0141
196	.165	1892	16.19	-.00	99010	1.2786	.0357	.2316	-.0004	.0001	.0104
197	.166	1909	18.16	-.00	98987	1.4206	.0532	.2431	-.0015	.0003	.0094
198	.166	1909	20.12	-.00	99034	1.5312	.0483	.2765	-.0003	.0006	.0069
199	.163	1839	21.47	-.00	99050	1.6625	.0439	.3123	.0007	.0011	.0060
200	.167	1932	.03	-.00	99950	.3194	.0768	-.0747	-.0011	.0005	.0064

TEST	995				RUN		13			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
186	.0143	0.0000	.9730	20.4000	0.0000	0.0000	0.0000	.0268	.0081	
187	-1.8421	0.0000	.9731	20.4000	0.0000	0.0000	0.0000	.0267	.0081	
188	.0379	0.0000	.9736	20.4000	0.0000	0.0000	0.0000	.0259	.0081	
189	1.9178	0.0000	.9739	20.4000	0.0000	0.0000	0.0000	.0258	.0079	
190	3.9184	0.0000	.9738	20.4000	0.0000	0.0000	0.0000	.0264	.0077	
191	5.8995	0.0000	.9736	20.4000	0.0000	0.0000	0.0000	.0259	.0074	
192	7.9237	0.0000	.9739	20.4000	0.0000	0.0000	0.0000	.0256	.0074	
193	9.9902	0.0000	.9745	20.4000	0.0000	0.0000	0.0000	.0258	.0072	
194	12.0758	0.0000	.9745	20.4000	0.0000	0.0000	0.0000	.0250	.0074	
195	14.1460	0.0000	.9740	20.4000	0.0000	0.0000	0.0000	.0256	.0074	
196	16.1910	0.0000	.9686	20.4000	0.0000	0.0000	0.0000	.0303	.0082	
197	18.1551	0.0000	.9635	20.4000	0.0000	0.0000	0.0000	.0345	.0096	
198	20.1170	0.0000	.9629	20.4000	0.0000	0.0000	0.0000	.0346	.0099	
199	21.4699	0.0000	.9628	20.4000	0.0000	0.0000	0.0000	.0357	.0100	
200	.0308	0.0000	.9748	20.4000	0.0000	0.0000	0.0000	.0248	.0081	

TEST	995					RUN 13					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
186	.0143	.3180	.0627	-.0762	.3180	.0278	-.0762	.3180	.0546	-.0762	1.0000
187	-1.8421	.1817	.0685	-.1090	.1817	.0257	-.1090	.1817	.0523	-.1090	1.0000
188	.0379	.3184	.0649	-.0734	.3184	.0310	-.0734	.3184	.0569	-.0734	1.0000
189	1.9178	.4528	.0758	-.0424	.4528	.0422	-.0424	.4528	.0679	-.0424	1.0000
190	3.9184	.5786	.0893	-.0082	.5786	.0551	-.0082	.5786	.0815	.0082	1.0000
191	5.8995	.7086	.1093	.0331	.7086	.0759	.0331	.7086	.1018	.0331	1.0000
192	7.9237	.8270	.1408	.0730	.8270	.1078	.0730	.8270	.1334	.0730	1.0000
193	9.9902	.9337	.1837	.1156	.9337	.1514	.1156	.9337	.1765	.1156	1.0000
194	12.0758	1.0264	.2354	.1580	1.0264	.2030	.1580	1.0264	.2280	.1580	1.0000
195	14.1460	1.1047	.2981	.2050	1.1047	.2650	.2050	1.1047	.2986	.2050	1.0000
196	16.1910	1.2179	.3908	.2316	1.2179	.3523	.2316	1.2179	.3826	.2316	1.0000
197	18.1551	1.3333	.4932	.2431	1.3333	.4491	.2431	1.3333	.4835	.2431	1.0000
198	20.1170	1.4211	.5720	.2765	1.4211	.5275	.2765	1.4211	.5621	.2765	1.0000
199	21.4699	1.5311	.6493	.3123	1.5311	.6036	.3123	1.5311	.6393	.3123	1.0000
200	.0308	.3194	.0770	-.0747	.3194	.0441	-.0747	.3194	.0689	-.0747	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(INXN)	ALPHA DEG	BETA DEG	P,INF N/(INXN)	CNF	CAF	CPM	CPM,B	CYM,B	CSF
201	.166	1909	.03	-.00	98966	.3235	.0765	-.0739	-.0014	.0004	.0020
202	.166	1962	.02	-.00	98950	.3158	.0728	-.0730	-.0011	.0006	.0018
203	.166	1915	.05	-.00	98973	.7915	-.9005	-.3517	-.0011	-.0015	.0123
204	.166	1919	-1.79	-.00	98970	.6524	-.9063	-.3832	-.0016	-.0019	.0087
205	.166	1905	.07	-.00	98983	.7990	-.9216	-.3574	-.0011	-.0015	.0114
206	.165	1896	1.96	-.00	98990	.9285	-.9397	-.3258	-.0016	-.0017	.0114
207	.167	1922	3.86	-.00	98963	1.0805	-.9434	-.2937	-.0036	-.0016	.0141
208	.166	1905	5.88	-.00	98980	1.2324	-.9698	-.2608	-.0004	-.0029	.0168
209	.164	1863	7.90	-.00	99024	1.3969	-.9990	-.2369	-.0011	-.0020	.0153
210	.162	1826	9.96	-.00	99064	1.5497	-1.0248	-.2201	-.0005	-.0015	.0147
211	.161	1803	12.07	-.00	99094	1.6929	-1.0413	-.1934	-.0004	-.0013	.0155
212	.161	1790	14.16	-.00	99101	1.8239	-1.0514	-.1580	-.0008	-.0013	.0128
213	.160	1773	16.15	-.00	99121	1.9920	-1.0534	-.1639	-.0021	-.0014	.0155
214	.159	1760	18.16	-.00	99137	2.1709	-1.0664	-.1464	-.0009	-.0014	.0164
215	.160	1767	20.16	-.00	99134	2.3166	-1.0710	-.1037	-.0010	-.0008	.0158
216	.163	1853	21.48	-.00	99044	2.4006	-1.0287	-.0567	-.0005	-.0005	.0163
217	.166	1912	.03	-.00	98983	.7988	-.9076	-.3535	-.0007	-.0026	.0259

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	DO,C		
201	.0309	0.0000	.9745	20.4000	0.0000	0.0000	0.0000	.0253	.0110		
202	.0240	0.0000	.9752	20.4000	0.0000	0.0000	0.0000	.0239	.0108		
203	.0462	21.0873	1.9955	20.4000	1.0673	1.0916	0.0000	-.9856	.0119		
204	-1.7904	21.1847	2.0051	20.4000	1.0726	1.0970	0.0000	-.9929	.0120		
205	.0718	21.2692	2.0108	20.4000	1.0865	1.1112	0.0000	-1.0061	.0123		
206	1.9612	21.2815	2.0159	20.4000	1.0958	1.1199	0.0000	-1.0160	.0125		
207	3.8584	21.3828	2.0224	20.4000	1.0874	1.1121	0.0000	-1.0064	.0124		
208	5.8768	21.4234	2.0288	20.4000	1.1013	1.1263	0.0000	-1.0186	.0126		
209	7.9024	21.4459	2.0295	20.4000	1.1272	1.1528	0.0000	-1.0388	.0129		
210	9.9588	21.4937	2.0322	20.4000	1.1537	1.1800	0.0000	-1.0568	.0131		
211	12.0683	21.5095	2.0327	20.4000	1.1694	1.1960	0.0000	-1.0635	.0133		
212	14.1641	21.5755	2.0369	20.4000	1.1832	1.2100	0.0000	-1.0667	.0133		
213	16.1532	21.6242	2.0415	20.4000	1.1991	1.2263	0.0000	-1.0714	.0134		
214	18.1615	21.6613	2.0437	20.4000	1.2111	1.2386	0.0000	-1.0703	.0135		
215	20.1631	21.7038	2.0499	20.4000	1.2101	1.2376	0.0000	-1.0596	.0135		
216	21.4836	21.7451	2.0547	20.4000	1.1577	1.1840	0.0000	-1.0054	.0129		
217	.0304	21.1548	2.0004	20.4000	1.0733	1.0977	0.0000	-.9924	.0141		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
201	.0309	.3234	.0766	-.0739	.3234	.0483	-.0739	.3234	.0656	-.0739	1.0000
202	.0240	.3158	.0738	-.0730	.3158	.0382	-.0730	.3158	.0621	-.0730	1.0000
203	.0462	.7923	-.8999	-.3517	.7914	.1555	-.2313	.7924	-1.0178	-.3637	1.2000
204	-1.7904	.6238	-.9262	-.3832	.6573	.1339	-.2622	.6206	-1.0389	-.3946	1.2000
205	.0718	.8002	-.9206	-.3574	.7988	.1536	-.2349	.8003	-1.0197	-.3672	1.2000
206	1.9612	.9601	-.9074	-.3258	.9226	.1745	-.2023	.9628	-.9981	-.3346	1.2000
207	3.8584	1.1415	-.8686	-.2937	1.0683	.2039	-.1710	1.1473	-.9667	-.3834	1.2000
208	5.8768	1.3252	-.8385	-.2608	1.2125	.2444	-.1366	1.3326	-.9228	-.2689	1.2000
209	7.9024	1.5209	-.7975	-.2369	1.3660	.3062	-.1098	1.5273	-.8560	-.2421	1.2000
210	9.9588	1.7036	-.7413	-.2201	1.5040	.3819	-.0899	1.7070	-.7738	-.2223	1.2000
211	12.0683	1.8732	-.6644	-.1934	1.6287	.4668	-.0614	1.8740	-.6814	-.1938	1.2000
212	14.1641	2.0257	-.5731	-.1580	1.7362	.5607	-.0246	2.0233	-.5769	-.1569	1.2000
213	16.1532	2.2064	-.4577	-.1639	1.8729	.6807	-.0286	2.1993	-.4463	-.1610	1.2000
214	18.1615	2.3951	-.3366	-.1464	2.0176	.8007	-.0097	2.3834	-.3142	-.1421	1.2000
215	20.1631	2.5439	-.2069	-.1037	2.1267	.9156	.0328	2.5312	-.1858	-.0995	1.2000
216	21.4836	2.6106	-.0780	-.0567	2.1866	.9862	.0739	2.6163	-.1056	-.0585	1.2000
217	.0304	.7993	-.9072	-.3535	.7987	.1520	-.2324	.7993	-1.0213	-.3648	1.2000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 15								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF
218	.166	1902	.05	-.00	99000	.9475	-1.3871	-.4811	-.0017	-.0009	.0107
219	.167	1942	-1.79	-.00	98960	.7964	-1.3662	-.5868	-.0015	-.0009	.0113
220	.166	1909	.06	-.00	98994	.9440	-1.3963	-.4835	-.0017	-.0009	.0107
221	.166	1909	1.96	-.00	98990	1.0909	-1.4086	-.4521	-.0016	-.0007	.0106
222	.169	1968	3.95	-.00	98991	1.2041	-1.3635	-.4841	-.0021	-.0009	.0135
223	.166	1912	5.92	-.00	99034	1.3745	-1.4231	-.3822	-.0018	-.0024	.0132
224	.167	1922	7.92	-.00	99028	1.5196	-1.4312	-.3463	-.0011	-.0008	.0154
225	.167	1922	9.94	-.00	99028	1.6616	-1.4268	-.3196	-.0028	-.0005	.0144
226	.167	1922	12.05	-.00	99034	1.7892	-1.4313	-.2891	-.0011	-.0001	.0109
227	.167	1932	14.18	-.00	99034	1.8965	-1.4251	-.2455	-.0006	.0002	.0093
228	.165	1892	16.17	-.00	99058	2.0674	-1.4465	-.2468	-.0014	.0002	.0108
229	.166	1902	18.18	.00	99071	2.2196	-1.4399	-.2278	.0006	.0013	-.0049
230	.167	1922	20.13	-.00	99031	2.3747	-1.4311	-.1785	.0007	.0015	.0073
231	.169	1971	21.54	-.00	98984	2.4713	-1.4022	-.1349	-.0011	.0018	.0053
232	.166	1905	.05	-.00	99051	.9514	-1.4143	-.4867	-.0013	-.0006	.0108

TEST			995			RUN		15		
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
218	.0476	26.5976	2.5219	20.4000	1.5455	1.5806	0.0000	-1.5177	.0155	
219	-1.7916	26.6778	2.5283	20.4000	1.5218	1.5556	0.0000	-1.4917	.0153	
220	.0567	26.7205	2.5365	20.4000	1.5522	1.5875	0.0000	-1.5269	.0157	
221	1.9572	26.7705	2.5438	20.4000	1.5594	1.5949	0.0000	-1.5332	.0158	
222	3.9477	26.5860	2.5263	20.4000	1.4986	1.5327	0.0000	-1.4674	.0165	
223	5.9211	26.6434	2.5323	20.4000	1.5479	1.5831	0.0000	-1.5126	.0171	
224	7.9177	26.6562	2.5324	20.4000	1.5417	1.5767	0.0000	-1.4985	.0168	
225	9.9374	26.6839	2.5350	20.4000	1.5452	1.5804	0.0000	-1.4927	.0170	
226	12.0516	26.7147	2.5406	20.4000	1.5480	1.5832	0.0000	-1.4876	.0178	
227	14.1758	26.7468	2.5410	20.4000	1.5428	1.5778	0.0000	-1.4676	.0169	
228	16.1726	26.7402	2.5433	20.4000	1.5768	1.6127	0.0000	-1.4868	.0172	
229	18.1788	26.7705	2.5428	20.4000	1.5788	1.6057	0.0000	-1.4629	.0171	
230	20.1293	26.8112	2.5497	20.4000	1.5575	1.5929	0.0000	-1.4365	.0165	
231	21.5425	26.8235	2.5465	20.4000	1.5187	1.5532	0.0000	-1.3839	.0164	
232	.0478	26.8570	2.5556	20.4000	1.5773	1.6131	0.0000	-1.5495	.0188	

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 15								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
218	.0476	.9486	-1.3863	-.4811	.9473	.1438	-.3067	.9485	-1.3229	-.4722	1.5000
219	-1.7916	.7532	-1.3904	-.5068	.9008	.1146	-.3344	.7549	-1.3514	-.4998	1.5000
220	.0567	.9453	-1.3954	-.4835	.9438	.1411	-.3084	.9452	-1.3255	-.4738	1.5000
221	1.9572	1.1384	-1.3706	-.4521	1.0851	.1721	-.2761	1.1352	-1.2937	-.4416	1.5000
222	3.9477	1.2951	-1.2773	-.4841	1.1919	.2812	-.2358	1.2929	-1.2619	.4005	1.5000
223	5.9211	1.5139	-1.2737	-.3822	1.3543	.2488	-.2876	1.5056	-1.2180	-.3730	1.5000
224	7.9177	1.7023	-1.2082	-.3463	1.4899	.3019	-.1724	1.6919	-1.1507	-.3379	1.5000
225	9.9374	1.8829	-1.1186	-.3196	1.6162	.3864	-.1452	1.8693	-1.0583	-.3107	1.5000
226	12.0516	2.0487	-1.0262	-.2891	1.7254	.4707	-.1144	2.0317	-.9637	-.2799	1.5000
227	14.1758	2.1878	-.9172	-.2455	1.8100	.5617	-.0714	2.1692	-.8603	-.2369	1.5000
228	16.1726	2.3885	-.8134	-.2468	1.9493	.6838	-.0689	2.3578	-.7248	-.2344	1.5000
229	18.1788	2.5588	-.6755	-.2278	2.0682	.7991	-.0506	2.5258	-.5944	-.2161	1.5000
230	20.1293	2.7221	-.5264	-.1785	2.1861	.9194	-.0828	2.6989	-.4577	-.1683	1.5000
231	21.5425	2.8136	-.3968	-.1349	2.2559	.9995	-.0364	2.7944	-.3647	-.1291	1.5000
232	.0478	.9526	-1.4135	-.4867	.9513	.1458	-.3088	.9525	-1.3217	-.4742	1.5000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 16								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
233	.167	1922	.04	-.00	99041	.9649	-1.6078	-.5024	-.0007	-.0006	.0051
234	.167	1925	-1.84	-.00	99048	.8314	-1.6945	-.5450	-.0016	-.0004	.0046
235	.167	1925	.05	-.00	99055	.9760	-1.6972	-.5125	-.0017	-.0004	.0050
236	.166	1919	1.96	-.00	99061	1.1161	-1.7104	-.4841	-.0017	-.0005	.0047
237	.166	1919	3.98	-.00	99068	1.2493	-1.7237	-.4519	-.0022	-.0007	.0070
238	.166	1915	5.94	-.00	99082	1.4078	-1.7414	-.4188	-.0023	-.0019	.0069
239	.166	1922	7.93	-.00	99072	1.5504	-1.7416	-.3788	-.0012	-.0010	.0073
240	.168	1952	10.00	-.00	99041	1.6789	-1.7139	-.3471	-.0002	-.0004	.0063
241	.166	1909	12.10	-.00	99092	1.8302	-1.7430	-.3227	-.0014	-.0003	.0075
242	.167	1935	14.19	-.00	99058	1.9306	-1.7241	-.2750	-.0014	-.0003	.0059
243	.168	1958	16.18	-.00	99038	2.0645	-1.6953	-.2583	-.0024	-.0004	.0085
244	.167	1945	18.15	-.00	99062	2.2265	-1.7014	-.2416	-.0008	-.0001	.0058
245	.167	1925	20.18	-.00	99068	2.3960	-1.7241	-.2022	-.0003	.0006	.0071
246	.167	1935	21.49	-.00	99075	2.4906	-1.7177	-.1729	-.0006	.0013	.0091
247	.167	1932	.06	-.00	99068	.9678	-1.6728	-.5094	-.0015	-.0004	.0060

TEST 995			RUN 16						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C
233	.0425	29.0731	2.7800	20.4000	1.7586	1.7986	0.0000	-1.7575	.0190
234	-1.8414	30.0061	2.8560	20.4000	1.8313	1.8729	0.0000	-1.8287	.0192
235	.0457	30.0321	2.8572	20.4000	1.8343	1.8760	0.0000	-1.8309	.0193
236	1.9563	30.0185	2.8568	20.4000	1.8402	1.8820	0.0000	-1.8358	.0195
237	3.8990	29.9958	2.8532	20.4000	1.8388	1.8802	0.0000	-1.8293	.0195
238	5.9399	29.9896	2.8544	20.4000	1.8418	1.8836	0.0000	-1.8282	.0196
239	7.9329	29.9848	2.8564	20.4000	1.8374	1.8792	0.0000	-1.8160	.0195
240	10.0012	29.9703	2.8519	20.4000	1.8871	1.8482	0.0000	-1.7734	.0192
241	12.0963	29.9447	2.8515	20.4000	1.8477	1.8897	0.0000	-1.8009	.0196
242	14.1879	29.9312	2.8486	20.4000	1.8200	1.8614	0.0000	-1.7578	.0193
243	16.1757	29.9100	2.8447	20.4000	1.7954	1.8362	0.0000	-1.7169	.0190
244	18.1505	29.9068	2.8491	20.4000	1.8895	1.8586	0.0000	-1.7147	.0190
245	20.1846	29.8823	2.8428	20.4000	1.8242	1.8656	0.0000	-1.7054	.0191
246	21.4948	29.8712	2.8433	20.4000	1.8138	1.8550	0.0000	-1.6825	.0189
247	.0569	29.8157	2.8364	20.4000	1.8138	1.8550	0.0000	-1.8045	.0209

TEST 995			RUN 16								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
233	.0425	.9661	-1.6071	-.5024	.9648	.1325	-.3040	.9661	-1.6275	-.5025	1.8000
234	-1.8414	.7765	-1.7203	-.5450	.8353	.0908	-.3384	.7788	-1.6682	-.5370	1.8000
235	.0457	.9774	-1.6964	-.5125	.9759	.1185	-.3056	.9773	-1.6415	-.5041	1.8000
236	1.9563	1.1739	-1.6713	-.4841	1.1111	.1483	-.2765	1.1711	-1.6186	-.4751	1.8000
237	3.8990	1.3636	-1.6348	-.4519	1.2386	.1799	-.2445	1.3583	-1.5760	-.4430	1.8000
238	5.9399	1.5805	-1.5864	-.4188	1.3899	.2259	-.2111	1.5720	-1.5247	-.4096	1.8000
239	7.9329	1.7759	-1.5109	-.3788	1.5223	.2894	-.1715	1.7652	-1.4538	-.3700	1.8000
240	10.0012	1.9510	-1.3963	-.3471	1.6372	.3641	-.1432	1.9429	-1.3691	-.3418	1.8000
241	12.0963	2.1548	-1.3207	-.3227	1.7676	.4663	-.1142	2.1364	-1.2546	-.3128	1.8000
242	14.1879	2.2943	-1.1983	-.2750	1.8482	.5469	-.0697	2.2796	-1.1595	-.2682	1.8000
243	16.1757	2.4550	-1.0531	-.2583	1.9549	.6523	-.0557	2.4452	-1.0381	-.2543	1.8000
244	18.1505	2.6457	-.9231	-.2416	2.0821	.7773	-.0375	2.6303	-.8951	-.2360	1.8000
245	20.1846	2.8437	-.7915	-.2022	2.2143	.9016	.0036	2.8216	-.7584	-.1958	1.8000
246	21.4948	2.9468	-.6857	-.1729	2.2822	.9838	.0317	2.9271	-.6546	-.1668	1.8000
247	.0569	.9695	-1.6718	-.5094	.9677	.1211	-.3048	.9694	-1.6389	-.5034	1.8000

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
RUN 17											
TEST	995										
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P.INF N/(MXM)	CNF	CAF	GPH	CRM,B	CYM,B	CSF
250	.166	1922	.02	.00	99143	.3689	.0693	-.0839	-.0013	-.0001	-.0007
251	.166	1989	-1.83	.00	99143	.2389	.0719	-.1183	-.0016	-.0002	-.0033
252	.165	1882	.00	.00	99159	.3745	.0724	-.0825	-.0017	-.0000	-.0053
253	.165	1879	1.90	.00	99156	.5027	.0664	-.0510	-.0014	.0002	-.0008
254	.164	1856	3.88	.00	99166	.6487	.0578	-.0155	-.0010	.0002	-.0047
255	.162	1829	5.85	.00	99189	.7639	.0432	.0249	-.0008	-.0002	-.0002
256	.167	1932	7.87	.00	99153	.8485	.0288	.0632	-.0008	-.0002	-.0016
257	.163	1849	9.92	-.00	99149	.9928	.0230	.1075	-.0016	-.0003	-.0051
258	.162	1823	12.06	.00	99175	1.0873	.0202	.1504	-.0010	.0000	-.0017
259	.161	1803	14.09	.00	99185	1.1872	.0249	.1987	-.0004	-.0001	-.0008
260	.162	1816	16.15	.00	99172	1.3020	.0417	.2200	-.0021	-.0010	.0021
261	.161	1796	18.09	-.00	99195	1.4385	.0587	.2364	-.0011	-.0009	.0004
262	.161	1790	20.12	.00	99185	1.5797	.0544	.2828	.0004	-.0001	.0021
263	.162	1813	21.43	-.00	99162	1.6613	.0501	.3152	.0007	.0004	.0006
264	.166	1912	.02	.00	99865	.3697	.0811	-.0834	-.0017	-.0001	
TEST	995										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
250	.0151	0.0000	.9770	28.1505	0.0000	0.0000	0.0000	.0227	.0077		
251	-1.8286	0.0000	.9788	28.1467	0.0000	0.0000	0.0000	.0211	.0079		
252	.0012	0.0000	.9797	28.1446	0.0000	0.0000	0.0000	.0205	.0077		
253	1.9029	0.0000	.9786	28.1472	0.0000	0.0000	0.0000	.0217	.0075		
254	3.8752	0.0000	.9791	28.1459	0.0000	0.0000	0.0000	.0213	.0076		
255	5.8535	0.0000	.9787	28.1468	0.0000	0.0000	0.0000	.0220	.0071		
256	7.8695	0.0000	.9803	28.1433	0.0000	0.0000	0.0000	.0192	.0068		
257	9.9189	0.0000	.9806	28.1428	0.0000	0.0000	0.0000	.0197	.0069		
258	12.0575	0.0000	.9828	28.1379	0.0000	0.0000	0.0000	.0176	.0071		
259	14.0930	0.0000	.9812	28.1415	0.0000	0.0000	0.0000	.0193	.0079		
260	16.1504	0.0000	.9769	28.1508	0.0000	0.0000	0.0000	.0232	.0081		
261	18.0930	0.0000	.9725	28.1605	0.0000	0.0000	0.0000	.0277	.0092		
262	20.1158	0.0000	.9708	28.1641	0.0000	0.0000	0.0000	.0291	.0094		
263	21.4344	0.0000	.9705	28.1649	0.0000	0.0000	0.0000	.0288	.0098		
264	.0242	0.0000	.9819	28.1397	0.0000	0.0000	0.0000	.0179	.0077		
TEST	995										
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
250	.0151	.3689	.0694	-.0839	.3689	.0390	-.0839	.3689	.0617	-.0839	1.0000
251	-1.8286	.2411	.0643	-.1183	.2411	.0353	-.1183	.2411	.0564	-.1183	1.0000
252	.0012	.3745	.0724	-.0825	.3745	.0442	-.0825	.3745	.0647	-.0825	1.0000
253	1.9029	.5003	.0830	-.0510	.5003	.0538	-.0510	.5003	.0754	-.0510	1.0000
254	3.8752	.6354	.1081	-.0155	.6354	.0712	-.0155	.6354	.0925	-.0155	1.0000
255	5.8535	.7556	.1209	.0249	.7556	.0918	.0249	.7556	.1138	.0249	1.0000
256	7.8695	.8366	.1447	.0632	.8366	.1187	.0632	.8366	.1379	.0632	1.0000
257	9.9189	.9740	.1937	.1075	.9740	.1671	.1075	.9740	.1868	.1075	1.0000
258	12.0575	1.0591	.2469	.1504	1.0591	.2223	.1504	1.0591	.2398	.1504	1.0000
259	14.0930	1.1455	.3132	.1987	1.1455	.2861	.1987	1.1455	.3053	.1987	1.0000
260	16.1504	1.2391	.4022	.2200	1.2391	.3709	.2200	1.2391	.3941	.2200	1.0000
261	18.0930	1.3492	.5025	.2364	1.3492	.4657	.2364	1.3492	.4934	.2364	1.0000
262	20.1158	1.4646	.5944	.2828	1.4646	.5559	.2828	1.4646	.5850	.2828	1.0000
263	21.4344	1.5281	.6537	.3152	1.5281	.6151	.3152	1.5281	.6439	.3152	1.0000
264	.0242	.3696	.0813	-.0834	.3696	.0557	-.0834	.3696	.0736	-.0834	1.0000

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NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 18									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P, INF N/(MXM)	CNF	CAF	CPM	CRM,B	GYM,B	CSF
265	.166	1919	.03	.00	99105	.3730	.0779	-.0633	.0005	-.0000	-.0025
266	.168	1948	.02	.00	99109	.3686	.0767	-.0629	-.0011	-.0000	-.0019
267	.170	1995	.05	-.00	99113	.9252	-.8332	-.3989	-.0003	-.0036	.0221
268	.170	2001	-1.80	-.00	99110	.7865	-.8336	-.4316	-.0010	-.0028	.0066
269	.170	2014	.04	.00	99107	.9281	-.8336	-.3996	.0013	-.0026	.0061
270	.169	1988	1.93	-.00	99133	1.0739	-.8567	-.3711	-.0004	-.0024	.0100
271	.168	1948	3.91	.00	99187	1.2124	-.8599	-.3382	-.0019	-.0029	.0024
272	.166	1915	5.98	.00	99221	1.3682	-.8953	-.3079	-.0003	-.0035	.0109
273	.165	1882	7.42	-.00	99257	1.5314	-.9212	-.2840	-.0010	-.0033	.0110
274	.166	1912	9.99	-.00	99227	1.6592	-.9106	-.2554	-.0007	-.0027	.0114
275	.165	1889	12.09	-.00	99244	1.8024	-.9275	-.2253	-.0005	-.0026	.0098
276	.165	1902	14.17	-.00	99251	1.8938	-.8918	-.1749	-.0008	-.0025	.0116
277	.163	1853	16.13	-.00	99284	2.0824	-.9044	-.1846	-.0024	-.0033	.0155
278	.165	1886	18.15	-.00	99295	2.1955	-.8932	-.1538	-.0010	-.0030	.0126
279	.167	1932	20.17	-.00	99231	2.3374	-.8806	-.0971	-.0002	-.0026	.0127
280	.168	1968	21.47	-.00	99167	2.4517	-.8756	-.0550	-.0003	-.0021	.0142
281	.166	1919	.06	-.00	99217	.9375	-.8663	-.4080	-.0006	-.0030	.0083

TEST	995	RUN 18							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CML,N	CHU,J	CD,N	CD,C
265	.0269	0.0000	.9824	28.1387	0.0000	0.0000	0.0000	.0174	.0066
266	.0223	0.0000	.9830	28.1374	0.0000	0.0000	0.0000	-.0166	.0066
267	.0517	21.4477	2.0213	25.8532	1.0431	1.0668	0.0000	-.9724	.0070
268	-1.7977	21.4873	2.0245	25.8462	1.0428	1.0665	0.0000	-.9717	.0071
269	.0408	21.5185	2.0290	25.8362	1.0393	1.0629	0.0000	-.9780	.0072
270	1.9313	21.5465	2.0298	25.8345	1.0557	1.0797	0.0000	-.9834	.0073
271	3.9116	21.1508	1.9936	25.9142	1.0442	1.0680	0.0000	-.9669	.0075
272	5.8971	21.2182	2.0009	25.8980	1.0694	1.0937	0.0000	-.9882	.0077
273	7.9185	21.2582	2.0040	25.8911	1.0913	1.1161	0.0000	-1.0048	.0078
274	9.9894	21.2951	2.0112	25.8753	1.0798	1.1043	0.0000	-.9903	.0078
275	12.0929	21.3184	2.0148	25.8674	1.0955	1.1204	0.0000	-.9990	.0079
276	14.1717	20.9515	1.9787	25.9469	1.0576	1.0816	0.0000	-.9487	.0079
277	16.1335	20.9493	1.9775	25.9494	1.0852	1.1098	0.0000	-.9643	.0081
278	18.1509	20.9737	1.9828	25.9378	1.0696	1.0939	0.0000	-.9423	.0080
279	20.1716	21.0074	1.9876	25.9273	1.0480	1.0718	0.0000	-.9124	.0082
280	21.4658	21.0197	1.9926	25.9164	1.0321	1.0556	0.0000	-.8918	.0082
281	.0551	21.0854	2.0003	25.8992	1.0667	1.0910	0.0000	-.9912	.0094

TEST	995	RUN 18									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
265	.0269	.3730	.0781	-.0833	.3730	.0542	-.0833	.3730	.0716	-.0833	1.0000
266	.0223	.3685	.0769	-.0829	.3685	.0538	-.0829	.3685	.0703	-.0829	1.0000
267	.0517	.9259	-.8324	-.3989	.9250	.2037	-.2812	.9260	-.9696	-.4136	.2000
268	-1.7977	.7599	-.8579	-.4316	.7927	.1772	-.3139	.7558	-.9955	-.4463	.2000
269	.0408	.9287	-.8329	-.3996	.9280	.1992	-.2824	.9288	-.9742	-.4147	1.2000
270	1.9313	1.1022	-.8200	-.3711	1.0666	.2277	-.2520	1.1061	-.9449	-.3844	1.2000
271	3.9116	1.2682	-.7752	-.3382	1.1970	.2591	-.2204	1.2770	-.9115	-.3528	1.2000
272	5.8971	1.4530	-.7499	-.3079	1.3431	.3061	-.1873	1.4637	-.8610	-.3197	1.2000
273	7.9185	1.6438	-.7014	-.2840	1.4934	.3716	-.1609	1.6551	-.7986	-.2932	1.2000
274	9.9894	1.7920	-.6090	-.2554	1.6846	.4467	-.1335	1.8882	-.7089	-.2659	1.2000
275	12.0929	1.9567	-.5293	-.2253	1.7272	.5339	-.1017	1.9738	-.6134	-.2341	1.2000
276	14.1717	2.0544	-.4010	-.1749	1.7955	.6166	-.0556	2.0828	-.5211	-.1880	1.2000
277	16.1335	2.2517	-.2901	-.1846	1.9502	.7442	-.0622	2.2762	-.3829	-.1946	1.2000
278	18.1509	2.3645	-.1648	-.1538	2.0313	.8436	-.0332	2.3968	-.2714	-.1655	1.2000
279	20.1716	2.4977	-.0206	-.0971	2.1363	.9549	-.0211	2.5409	-.1465	-.1113	1.2000
280	21.4658	2.6039	.0831	-.0550	2.2262	1.0354	.0614	2.6556	-.0565	-.0710	1.2000
281	.0551	.9383	-.8654	-.4080	.9373	.1919	-.2877	.9384	-.9814	-.4281	1.2000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		19					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPI	CRM,B	CYM,B	CSF
282	.167	1948	.05	.00	99211	1.0811	-1.2961	-.5293	.0000	-.0020	.0047
283	.168	1955	-1.83	-.00	99197	.9256	-1.2925	-.5639	.0001	-.0020	.0077
284	.168	1952	.09	-.00	99207	1.0861	-1.3026	-.5316	.0003	-.0019	.0050
285	.167	1932	1.90	-.00	99217	1.2332	-1.3253	-.5073	-.0002	-.0018	.0059
286	.166	1922	3.88	-.00	99241	1.3772	-1.3482	-.4766	-.0004	-.0020	.0070
287	.166	1919	5.85	.00	99231	1.5338	-1.3680	-.4407	-.0007	-.0025	-.0071
288	.167	1932	7.90	.00	99234	1.6621	-1.3682	-.4057	.0002	-.0022	.0074
289	.166	1919	9.97	-.00	99244	1.8070	-1.3771	-.3864	.0005	-.0018	.0079
290	.165	1902	12.07	.00	99251	1.9502	-1.3961	-.3580	.0012	-.0015	.0038
291	.167	1939	14.21	-.00	99224	2.0336	-1.3372	-.2910	.0017	.0007	.0125
292	.166	1909	16.20	-.00	99241	2.1996	-1.3503	-.2939	.0016	-.0017	.0076
293	.165	1902	18.16	-.00	99254	2.3615	-1.3589	-.2712	.0021	-.0013	.0076
294	.167	1932	20.18	-.00	99228	2.4926	-1.3455	-.2164	.0035	-.0006	.0043
295	.167	1929	21.47	-.00	99255	2.5631	-1.3515	-.1866	.0025	-.0003	.0030
296	.170	2001	.05	-.00	99194	1.0941	-1.3093	-.5397	-.0015	-.0022	.0064

TEST		995		RUN		19					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
282	.0545	26.3505	2.5188	24.7586	1.5035	1.5377	0.0000	-1.4818	.0106		
283	-1.8323	26.4059	2.5157	24.7655	1.5017	1.5358	0.0000	-1.4729	.0107		
284	.0919	26.4857	2.5256	24.7437	1.5128	1.5472	0.0000	-1.4859	.0109		
285	1.9089	26.5215	2.5308	24.7322	1.5317	1.5665	0.0000	-1.5056	.0112		
286	3.8792	26.5602	2.5321	24.7294	1.5422	1.5773	0.0000	-1.5124	.0114		
287	5.8492	26.5648	2.5355	24.7219	1.5469	1.5821	0.0000	-1.5137	.0115		
288	7.9007	26.6233	2.5385	24.7154	1.5404	1.5754	0.0000	-1.4998	.0115		
289	9.9674	26.6625	2.5402	24.7116	1.5537	1.5890	0.0000	-1.5034	.0117		
290	12.0729	26.6415	2.5450	24.7010	1.5669	1.6025	0.0000	-1.5105	.0119		
291	14.2139	26.3289	2.5099	24.7781	1.5098	1.5441	0.0000	-1.4356	.0123		
292	16.2005	26.3890	2.5139	24.7693	1.5380	1.5729	0.0000	-1.4483	.0126		
293	18.1644	26.4072	2.5195	24.7571	1.5458	1.5809	0.0000	-1.4435	.0127		
294	20.1779	26.4606	2.5221	24.7513	1.5274	1.5621	0.0000	-1.4361	.0125		
295	21.4678	26.4705	2.5225	24.7505	1.5297	1.5644	0.0000	-1.3972	.0126		
296	.0470	27.0822	2.5768	24.6311	1.5231	1.5578	0.0000	-1.4975	.0139		

TEST		995		RUN		19					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
282	.0545	1.0823	-1.2951	-.5293	1.0889	.1979	-.3597	1.0823	-1.2688	-.5251	1.5000
283	-1.8323	.8838	-1.3214	-.5639	.9318	.1688	-.3945	.8849	-1.2972	-.5599	1.5000
284	.0919	1.0882	-1.3008	-.5316	1.0858	.2010	-.3609	1.0881	-1.2656	-.5263	1.5000
285	1.9089	1.2765	-1.2836	-.5073	1.2257	.2369	-.3345	1.2744	-1.2299	-.5000	1.5000
286	3.8792	1.4653	-1.2519	-.4766	1.3610	.2754	-.3026	1.4602	-1.1879	-.4681	1.5000
287	5.8492	1.6653	-1.2045	-.4407	1.5076	.3228	-.2661	1.6571	-1.1362	-.4316	1.5000
288	7.9007	1.8344	-1.1268	-.4057	1.6227	.3875	-.2319	1.8243	-1.0652	-.3974	1.5000
289	9.9674	2.0185	-1.0455	-.3864	1.7496	.4730	-.2111	2.0034	-.9715	-.3766	1.5000
290	12.0729	2.1991	-.9573	-.3580	1.8714	.5631	-.1812	2.1781	-.8712	-.3467	1.5000
291	14.2139	2.2997	-.7970	-.2910	1.9289	.6543	-.1207	2.2891	-.7674	-.2862	1.5000
292	16.2005	2.4890	-.6810	-.2939	2.0599	.7813	-.1204	2.4691	-.6271	-.2858	1.5000
293	18.1644	2.6675	-.5550	-.2712	2.1856	.9010	-.0968	2.6428	-.4926	-.2623	1.5000
294	20.1779	2.8038	-.4031	-.2164	2.2769	1.0180	-.0440	2.7828	-.3587	-.2095	1.5000
295	21.4678	2.8799	-.3197	-.1866	2.3281	1.0913	-.0140	2.8569	-.2737	-.1794	1.5000
296	.0470	1.0951	-1.3084	-.5397	1.0939	.2008	-.3678	1.0951	-1.2658	-.5333	1.5000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 20								
POINT	MACH	U N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF
297	.174	2110	.06	.00	99094	1.1131	-1.4328	-.5647	-.0005	-.0015	.0026
298	.167	1945	-1.79	.00	99202	1.0300	-1.5601	-.6370	-.0004	-.0019	.0013
299	.178	2001	.07	.00	99269	1.1445	-1.5177	-.5882	-.0010	-.0015	.0008
300	.169	1978	1.96	.00	99286	1.2896	-1.5440	-.5639	-.0010	-.0017	.0006
301	.166	1925	3.86	-.00	99305	1.4576	-1.5991	-.5460	-.0007	-.0015	.0062
302	.166	1915	5.89	.00	99302	1.6107	-1.6241	-.5121	-.0008	-.0031	.0033
303	.168	1955	7.87	.00	99326	1.7118	-1.5964	-.4659	-.0002	-.0021	.0019
304	.164	1872	9.92	.00	99352	1.9023	-1.6671	-.4612	-.0003	-.0019	.0038
305	.165	1882	12.04	.00	99322	2.0320	-1.6618	-.4225	-.0006	-.0007	.0116
306	.164	1872	14.14	.00	99328	2.1375	-1.6693	-.3778	-.0002	-.0015	.0017
307	.163	1849	16.18	.00	99332	2.2894	-1.6829	-.3753	-.0011	-.0020	.0019
308	.162	1816	18.14	.00	99358	2.4686	-1.7121	-.3632	-.0005	-.0019	.0061
309	.164	1876	20.21	.00	99208	2.5857	-1.6637	-.2956	-.0011	-.0012	.0007
310	.164	1863	21.48	.00	99298	2.6889	-1.6786	-.2661	.0008	-.0006	.0001
311	.166	1919	.05	.00	99231	1.1812	-1.5889	-.6138	-.0011	-.0025	-.0005

TEST		995		RUN		20			
PCINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
297	.0553	29.4975	2.8123	24.1129	1.6349	1.6721	0.0000	-1.6308	.0134
298	-1.7919	29.5388	2.8086	24.1210	1.7753	1.8156	0.0000	-1.7660	.0152
299	.0700	29.5312	2.8101	24.1179	1.7243	1.7635	0.0000	-1.7204	.0149
300	1.9566	29.5368	2.8053	24.1283	1.7426	1.7822	0.0000	-1.7352	.0151
301	3.8592	29.5223	2.8114	24.1150	1.7925	1.8332	0.0000	-1.7862	.0156
302	5.8855	29.5381	2.8088	24.1207	1.8019	1.8429	0.0000	-1.7873	.0157
303	7.8720	29.5361	2.8052	24.1287	1.7639	1.8040	0.0000	-1.7408	.0154
304	9.9152	29.5321	2.8062	24.1264	1.8419	1.8838	0.0000	-1.8089	.0161
305	12.0397	29.5342	2.8106	24.1166	1.8337	1.8753	0.0000	-1.7903	.0160
306	14.1405	29.5387	2.8083	24.1218	1.8430	1.8849	0.0000	-1.7823	.0160
307	16.1846	29.5606	2.8065	24.1258	1.8670	1.9095	0.0000	-1.7855	.0165
308	18.1396	29.5694	2.8080	24.1224	1.9015	1.9448	0.0000	-1.8009	.0167
309	20.2131	29.6424	2.8126	24.1122	1.8470	1.8890	0.0000	-1.7252	.0162
310	21.4847	29.5656	2.8113	24.1151	1.8552	1.8974	0.0000	-1.7218	.0163
311	.0529	29.6156	2.8115	24.1147	1.8030	1.8440	0.0000	-1.7952	.0175

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 20								
POINT	ALPHA DEG	CL	CD	CM	CL,EO	CD,EO	CM,EO	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
297	.0553	1.1144	-1.4318	-.5647	1.1129	.1897	-.3882	1.1146	-1.5703	-.5788	1.8000
298	-1.7919	.9808	-1.5915	-.6370	1.0363	.1677	-.4368	.9812	-1.5915	-.6353	1.8000
299	.0700	1.1464	-1.5163	-.5882	1.1443	.1932	-.3936	1.1464	-1.5668	-.5922	1.8000
300	1.9566	1.3415	-1.4991	-.5639	1.2820	.2273	-.3673	1.3421	-1.5317	-.5659	1.8000
301	3.8592	1.5620	-1.4974	-.5460	1.4413	.2754	-.3437	1.5598	-1.4806	-.5423	.8000
302	5.8855	1.7688	-1.4504	-.5121	1.5840	.3263	-.3089	1.7645	-1.4244	-.5074	1.8000
303	7.8720	1.9143	-1.3469	-.4659	1.6727	.3849	-.2669	1.9137	-1.3585	-.4655	.8000
304	9.9152	2.1609	-1.3146	-.4612	1.8438	.4837	-.2534	2.1468	-1.2500	-.4519	1.8000
305	12.0397	2.3340	-1.2014	-.4225	1.9515	.5759	-.2157	2.3186	-1.1454	-.4142	1.8000
306	14.1405	2.4806	-1.0965	-.3778	2.0303	.6746	-.1698	2.4603	-1.0321	-.3684	1.8000
307	16.1846	2.6677	-.9781	-.3753	2.1473	.7985	-.1647	2.6379	-.8918	-.3633	1.8000
308	18.1396	2.8790	-.8584	-.3632	2.2870	.9319	-.1487	2.8349	-.7406	-.3473	1.8000
309	20.2131	3.0013	-.6679	-.2956	2.3631	1.0492	-.0872	2.9712	-.6024	-.2858	1.8000
310	21.4847	3.1169	-.5771	-.2661	2.4374	1.1329	-.0568	3.0820	-.5048	-.2554	1.8000
311	.0529	1.1826	-1.5878	-.6138	1.1810	.1977	-.4184	1.1826	-1.5623	-.6089	1.8000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	RUN 23					
						CNF	CAF	CPH	CRM,B	CYM,B	CSF
334	.166	1955	.04	-.00	100863	.5785	.1237	-.1518	-.0084	.0007	.0047
335	.167	1968	-1.83	-.00	100850	.4412	.1281	-.1851	-.0005	.0006	.0020
336	.167	1965	.08	-.00	100860	.5849	.1273	-.1501	-.0005	.0016	.0152
337	.167	1962	1.97	-.00	100864	.7220	.1204	-.1198	-.0009	.0005	.0023
338	.168	1988	3.90	-.00	100884	.8412	.1063	-.0861	-.0011	-.0001	.0053
339	.168	1985	5.89	.00	100833	1.0036	.1003	-.0504	-.0004	-.0003	-.0030
340	.166	1939	7.94	-.00	103880	1.1336	.0958	-.0187	-.0003	.0004	.0059
341	.165	1912	10.00	-.00	100987	1.2562	.0962	.0107	-.0002	.0005	.0065
342	.166	1949	12.11	-.00	100853	1.3687	.0945	.0524	.0001	.0005	.0058
343	.165	1932	14.13	-.00	100880	1.4558	.1009	.0957	-.0003	.0005	.0044
344	.165	1919	16.17	-.00	100887	1.5543	.1131	.1182	-.0010	.0002	.0082
345	.164	1892	18.17	-.00	100914	1.7056	.1231	.1443	.0004	.0002	.0067
346	.163	1879	20.15	-.00	100927	1.8396	.1204	.1879	.0009	.0009	.0071
347	.166	1945	21.50	-.00	100901	1.8850	.1157	.2150	.0010	.0017	.0084
348	.166	1949	.05	-.00	100857	.5853	.1389	-.1504	-.0008	.0007	.0025

TEST		995		RUN							23	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA, DEG	CT	CMU,N	CMU,J	CD,N	CD,C			
334	.0372	0.0000	.9663	39.2483	0.0000	0.0000	0.0000	.0333	.0099			
335	-1.8274	0.0000	.9657	39.2508	0.0000	0.0000	0.0000	.0336	.0099			
336	.0795	0.0000	.9676	39.2427	0.0000	0.0000	0.0000	.0319	.0099			
337	1.9748	0.0000	.9671	39.2447	0.0000	0.0000	0.0000	.0324	.0097			
338	3.8990	0.0000	.9664	39.2478	0.0000	0.0000	0.0000	.0326	.0097			
339	5.8930	0.0000	.9660	39.2498	0.0000	0.0000	0.0000	.0330	.0095			
340	7.9409	0.0000	.9661	39.2491	0.0000	0.0000	0.0000	.0335	.0095			
341	9.9994	0.0000	.9666	39.2467	0.0000	0.0000	0.0000	.0332	.0095			
342	12.1074	0.0000	.9647	39.2554	0.0000	0.0000	0.0000	.0342	.0097			
343	14.1271	0.0000	.9655	39.2519	0.0000	0.0000	0.0000	.0335	.0099			
344	16.1747	0.0000	.9631	39.2624	0.0000	0.0000	0.0000	.0357	.0102			
345	18.1678	0.0000	.9610	39.2715	0.0000	0.0000	0.0000	.0378	.0107			
346	20.1489	0.0000	.9593	39.2791	0.0000	0.0000	0.0000	.0393	.0112			
347	21.4959	0.0000	.9577	39.2862	0.0000	0.0000	0.0000	.0391	.0116			
348	.0491	0.0000	.9674	39.2432	0.0000	0.0000	0.0000	.0323	.0099			

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 23					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
334	.0372	.5784	.1241	-.1518	.5784	.0809	-.1518	.5784	.1142	-.1518	1.0000
335	-1.8274	.4451	.1140	-.1851	.4451	.0784	-.1851	.4451	.1041	-.1851	1.0000
336	.0795	.5847	.1281	-.1501	.5847	.0863	-.1501	.5847	.1182	-.1501	1.0000
337	1.9748	.7174	.1453	-.1198	.7174	.1031	-.1198	.7174	.1355	-.1198	1.0000
338	3.8990	.8320	.1632	-.0861	.8320	.1210	-.0861	.8320	.1536	-.0861	1.0000
339	5.8930	.9880	.2028	-.0504	.9880	.1603	-.0504	.9880	.1933	-.0504	1.0000
340	7.9409	1.1095	.2515	-.0187	1.1095	.2086	-.0187	1.1095	.2420	-.0187	1.0000
341	9.9994	1.2204	.3129	.0107	1.2204	.2702	.0107	1.2204	.3034	.0107	1.0000
342	12.1074	1.3184	.3795	.0524	1.3184	.3356	.0524	1.3184	.3698	.0524	1.0000
343	14.1271	1.3871	.4532	.0957	1.3871	.4098	.0957	1.3871	.4433	.0957	1.0000
344	16.1747	1.4613	.5416	.1182	1.4613	.4957	.1182	1.4613	.5315	.1182	1.0000
345	18.1678	1.5822	.6487	.1443	1.5822	.6002	.1443	1.5822	.6380	.1443	1.0000
346	20.1489	1.6855	.7467	.1879	1.6855	.6961	.1879	1.6855	.7355	.1879	1.0000
347	21.4959	1.7115	.7984	.2150	1.7115	.7477	.2150	1.7115	.7868	.2150	1.0000
348	.0491	.5852	.1394	-.1504	.5852	.0973	-.1504	.5852	.1295	-.1504	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		24		24		24		24	
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF		
349	.168	1992	.04	-.00	100850	.5805	-.1374	-.1494	-.0002	.0007	.0022		
350	.168	1932	.07	-.00	100860	1.2199	-.6814	-.6079	.0013	-.0026	.0135		
351	.169	2005	-1.80	-.00	100840	1.0874	-.6729	-.6346	.0013	-.0028	.0118		
352	.168	1982	.08	-.00	100867	1.2425	-.6864	-.6118	.0009	-.0028	.0124		
353	.167	1968	1.97	-.00	100881	1.3912	-.7021	-.5875	.0011	-.0027	.0111		
354	.168	1982	3.96	-.00	100877	1.5312	-.7134	-.5549	.0009	-.0035	.0151		
355	.169	2005	5.96	-.00	100847	1.6662	-.6860	-.4957	.0018	-.0028	.0147		
356	.169	2005	7.95	-.00	100847	1.8217	-.6954	-.4751	.0012	-.0029	.0110		
357	.167	1972	10.00	-.00	100881	1.9877	-.7078	-.4664	.0015	-.0024	.0127		
358	.166	1939	12.15	-.00	100821	2.1419	-.7239	-.4414	.0018	-.0023	.0146		
359	.165	1932	14.21	-.00	100921	2.2823	-.7268	-.4096	.0017	-.0023	.0106		
360	.165	1922	16.16	-.00	100931	2.4732	-.7268	-.4241	-.0001	-.0031	.0130		
361	.164	1909	18.18	-.00	100948	2.6442	-.7334	-.3950	.0015	-.0032	.0173		
362	.166	1939	20.16	-.00	100917	2.7724	-.7260	-.3358	.0020	-.0024	.0154		
363	.165	1929	21.45	-.00	100931	2.8747	-.7309	-.3019	.0022	-.0019	.0182		
364	.166	1942	.08	-.00	100921	1.2563	-.7043	-.6240	.0013	-.0027	.0126		

TEST		995		RUN		24		24		24		24	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C				
349	.0426	0.0000	.9661	39.2493	0.0000	0.0000	0.0000	.0329	.0086				
350	.0656	21.7075	1.9964	34.7160	1.0540	1.0779	0.0000	-.9717	.0097				
351	-1.8000	21.7067	1.9955	34.7196	1.0429	1.0666	0.0000	-.9591	.0099				
352	.0808	21.6767	1.9939	34.7269	1.0547	1.0787	0.0000	-.9693	.0102				
353	1.9748	21.7002	1.9994	34.7028	1.0658	1.0900	0.0000	-.9808	.0104				
354	3.9612	21.7220	2.0025	34.6889	1.0607	1.0848	0.0000	-.9755	.0106				
355	5.9625	21.2125	1.9601	34.8755	1.0133	1.0363	0.0000	-.9204	.0114				
356	7.9495	21.2913	1.9692	34.8357	1.0213	1.0445	0.0000	-.9252	.0117				
357	9.9956	21.2925	1.9726	34.8205	1.0405	1.0642	0.0000	-.9390	.0120				
358	12.1466	21.3359	1.9718	34.8241	1.0602	1.0843	0.0000	-.9476	.0122				
359	14.2098	21.3639	1.9758	34.8065	1.0667	1.0909	0.0000	-.9467	.0123				
360	16.1568	21.3839	1.9787	34.7935	1.0745	1.0989	0.0000	-.9458	.0124				
361	18.1833	21.3734	1.9853	34.7645	1.0860	1.1106	0.0000	-.9485	.0124				
362	20.1577	21.4554	1.9879	34.7532	1.0736	1.0981	0.0000	-.9250	.0123				
363	21.4521	21.4276	1.9857	34.7631	1.0774	1.1019	0.0000	-.9198	.0123				
364	.0755	21.5575	1.9997	34.7811	1.0832	1.1078	0.0000	-.9955	.0138				

TEST		995		RUN		24		24		24		24	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM		
349	.0426	.5804	-.1378	-.1494	.5804	.0963	-.1494	.5804	.1292	-.1494	1.0000		
350	.0656	1.2206	-.6800	-.6079	1.2194	.3643	-.4890	1.2208	-.8090	-.6213	1.2000		
351	-1.8000	1.0657	-.7068	-.6346	1.0985	.3257	-.5169	1.0616	-.8470	-.6493	1.2000		
352	.0808	1.2435	-.6846	-.6118	1.2420	.3599	-.4928	1.2437	-.8135	-.6252	1.2000		
353	1.9748	1.4145	-.6538	-.5875	1.3778	.4010	-.4672	1.4182	-.7716	-.5996	1.2000		
354	3.9612	1.5768	-.6059	-.5549	1.5036	.4417	-.4353	1.5846	-.7289	-.5676	1.2000		
355	5.9625	1.7285	-.5092	-.4957	1.6232	.4872	-.3814	1.7451	-.6798	-.5138	1.2000		
356	7.9495	1.9004	-.4368	-.4751	1.7592	.5630	-.3599	1.9214	-.5991	-.4923	1.2000		
357	9.9956	2.0804	-.3521	-.4664	1.8998	.6607	-.3498	2.1834	-.4948	-.4814	1.2000		
358	12.1466	2.2463	-.2570	-.4414	2.0232	.7672	-.3218	2.2701	-.3798	-.4542	1.2000		
359	14.2098	2.3909	-.1444	-.4096	2.1291	.8774	-.2892	2.4171	-.2600	-.4216	1.2000		
360	16.1568	2.5778	-.0098	-.4241	2.2788	1.0098	-.3029	2.6053	-.1172	-.4352	1.2000		
361	18.1833	2.7410	.1284	-.3950	2.4021	1.1477	-.2725	2.7682	.0329	-.4049	1.2000		
362	20.1577	2.8527	.2739	-.3358	2.4827	1.2695	-.2146	2.8871	.1680	-.3470	1.2000		
363	21.4521	2.9428	.3711	-.3019	2.5488	1.3615	-.1804	2.9779	.2695	-.3128	1.2000		
364	.0755	1.2573	-.7026	-.6240	1.2558	.3668	-.5018	1.2574	-.8065	-.6342	1.2000		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	GNF	CAF	CPM	CRM,B	CYM,B	CSF
365	.166	1959	.07	-.00	100928	1.4054	-1.0959	-.7724	.0028	-.0027	.0089
366	.167	1962	-1.77	.00	100931	1.2624	-1.0992	-.8022	.0019	-.0025	.0022
367	.170	2031	.10	-.00	100844	1.3901	-1.0654	-.7568	.0026	-.0026	.0085
368	.168	2005	1.96	-.00	100884	1.5393	-1.0923	-.7360	.0031	-.0025	.0105
369	.167	1959	3.95	-.00	100924	1.7065	-1.1377	-.7208	.0027	-.0032	.0106
370	.166	1952	5.94	.00	100935	1.8549	-1.1289	-.6740	.0025	-.0036	.0059
371	.166	1952	7.94	-.00	100938	2.0024	-1.1264	-.6429	.0029	-.0025	.0113
372	.166	1952	10.01	-.00	100938	2.1323	-1.1179	-.6178	.0035	-.0022	.0104
373	.167	1968	12.05	-.00	100941	2.2557	-1.1125	-.5808	.0037	-.0020	.0120
374	.168	1988	14.22	-.00	100918	2.3847	-1.1091	-.5309	.0047	-.0017	.0102
375	.168	2005	16.16	-.00	100901	2.5565	-1.0994	-.5294	.0035	-.0019	.0113
376	.167	1962	18.18	-.00	100941	2.7721	-1.1282	-.5206	.0055	-.0015	.0076
377	.166	1959	20.20	-.00	100962	2.8806	-1.1363	-.4682	.0057	-.0013	.0093
378	.166	1959	21.54	-.00	100962	2.9806	-1.1507	-.4367	.0058	-.0009	.0087
379	.166	1949	.03	-.00	100958	1.4304	-1.1274	-.7863	.0028	-.0031	.0101

TEST 995									
RUN 25									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
365	.0732	26.5914	2.4765	32.6036	1.4965	1.5305	0.0000	-1.4579	.0142
366	-1.7707	26.6710	2.4808	32.5843	1.5801	1.5342	0.0000	-1.4591	.0144
367	.1028	26.7600	2.4882	32.5520	1.4552	1.4883	0.0000	-1.4157	.0141
368	1.9602	26.8616	2.4951	32.5214	1.4825	1.5162	0.0000	-1.4408	.0144
369	3.9486	26.8788	2.4962	32.5167	1.5186	1.5531	0.0000	-1.4738	.0149
370	5.9400	26.5474	2.4666	32.6468	1.4981	1.5322	0.0000	-1.4454	.0150
371	7.9405	26.4661	2.4600	32.6761	1.4913	1.5252	0.0000	-1.4328	.0150
372	10.0066	26.4021	2.4515	32.7132	1.4850	1.5187	0.0000	-1.4164	.0151
373	12.0542	26.3904	2.4496	32.7216	1.4715	1.5050	0.0000	-1.3930	.0150
374	14.2193	26.4733	2.4607	32.6731	1.4655	1.4989	0.0000	-1.3771	.0149
375	16.1643	26.5198	2.4663	32.6481	1.4569	1.4900	0.0000	-1.3582	.0147
376	18.1808	26.5824	2.4673	32.6438	1.4928	1.5267	0.0000	-1.3744	.0150
377	20.1953	26.6364	2.4719	32.6236	1.5001	1.5342	0.0000	-1.3645	.0150
378	21.5449	26.7904	2.4869	32.5575	1.5131	1.5475	0.0000	-1.3661	.0152
379	.0786	26.9520	2.5019	32.4918	1.5346	1.5695	0.0000	-1.4909	.0170

TEST				995		RUN			25			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM	
365	.0732	1.4068	-1.0941	-.7724	1.4049	.3882	-.6035	1.4068	-1.0785	-.7690	1.5000	
366	-1.7707	1.2278	-1.1377	-.8022	1.2742	.3473	-.6329	1.2288	-1.1187	-.7984	1.5000	
367	.1028	1.3920	-1.0629	-.7568	1.3894	.3782	-.5926	1.3920	-1.0885	-.7581	1.5000	
368	1.9602	1.5757	-1.0390	-.7360	1.5250	.4283	-.5688	1.5752	-1.0375	-.7342	1.5000	
369	3.9486	1.7807	-1.0175	-.7208	1.6762	.4826	-.5495	1.7772	-.9806	-.7149	1.5000	
370	5.9400	1.9617	-.9309	-.6740	1.8067	.5442	-.5049	1.9585	-.9146	-.6704	1.5000	
371	7.9405	2.1388	-.8390	-.6429	1.9328	.6230	-.4746	2.1354	-.8297	-.6401	1.5000	
372	10.0066	2.2941	-.7304	-.6178	2.0361	.7169	-.4503	2.2909	-.7275	-.6157	1.5000	
373	12.0542	2.4382	-.6169	-.5808	2.1309	.8072	-.4148	2.4372	-.6271	-.5802	1.5000	
374	14.2193	2.5841	-.4894	-.5309	2.2241	.9164	-.3656	2.5844	-.5053	-.5310	1.5000	
375	16.1643	2.7615	-.3443	-.5294	2.3559	1.0403	-.3650	2.7642	-.3684	-.5305	1.5000	
376	18.1808	2.9857	-.2069	-.5206	2.5200	1.1963	-.3522	2.9776	-.1972	-.5177	1.5000	
377	20.1953	3.0958	-.0720	-.4682	2.5779	1.3209	-.2990	3.0842	-.0556	-.4644	1.5000	
378	21.5449	3.1949	.0243	-.4367	2.6393	1.4164	-.2660	3.1779	.0522	-.4314	1.5000	
379	.0786	1.4320	-1.1254	-.7863	1.4299	.3922	-.6132	1.4319	-1.0745	-.7786	1.5000	

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NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	26				
POINT	MACH	0 N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
380	.167	1975	.08	.00	100928	1.4753	-1.2224	-.8343	.0030	-.0028	.0067
381	.166	1945	-1.77	.00	100955	1.3366	-1.2440	-.8756	.0026	-.0030	.0067
382	.166	1949	.07	.00	100951	1.4886	-1.2430	-.8439	.0031	-.0030	.0079
383	.167	1978	1.91	.00	100942	1.6080	-1.2302	-.8045	.0026	-.0031	.0076
384	.165	1919	3.86	.00	100985	1.7853	-1.2834	-.7960	.0027	-.0036	.0087
385	.164	1893	5.90	-.00	101015	1.9537	-1.3172	-.7649	.0039	-.0051	.0315
386	.166	1939	7.88	.00	100968	2.0826	-1.2871	-.7189	.0033	-.0030	.0069
387	.166	1952	9.99	-.00	100968	2.2113	-1.2791	-.6906	.0034	-.0023	.0097
388	.164	1902	12.05	-.00	101019	2.3711	-1.3197	-.6710	.0035	-.0024	.0095
389	.163	1873	14.18	-.00	101056	2.4978	-1.3446	-.6346	.0041	-.0024	.0091
390	.161	1836	16.08	.00	101082	2.7001	-1.3665	-.6513	.0027	-.0024	.0059
391	.164	1896	18.17	-.00	101059	2.8033	-1.3254	-.6020	.0050	-.0023	.0096
392	.163	1873	20.12	-.00	101049	2.9896	-1.3372	-.5569	.0055	-.0017	.0091
393	.163	1876	21.51	-.00	101056	3.0730	-1.3422	-.5193	.0051	-.0014	.0074
394	.165	1935	.09	-.00	100999	1.4891	-1.2549	-.8502	.0036	-.0010	.0281
395	.168	1988	.04	.00	100999	.5704	.1211	-.1461	-.0005	-.0008	-.0047

TEST	995					RUN	26				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C		
380	.0781	28.4637	2.6416	31.8769	1.6403	1.6776	0.0000	-1.6074	.0171		
381	-1.7744	28.4950	2.6427	31.8722	1.6680	1.7059	0.0000	-1.6327	.0179		
382	.0662	28.4914	2.6390	31.8886	1.6634	1.7012	0.0000	-1.6269	.0180		
383	1.9142	28.4886	2.6430	31.8707	1.6393	1.6766	0.0000	-1.6054	.0179		
384	3.8591	28.5025	2.6448	31.8627	1.6916	1.7301	0.0000	-1.6549	.0185		
385	5.9049	28.4923	2.6418	31.8760	1.7141	1.7530	0.0000	-1.6703	.0188		
386	7.8767	28.5059	2.6440	31.8666	1.6731	1.7112	0.0000	-1.6250	.0184		
387	9.9851	28.5002	2.6395	31.8863	1.6617	1.6995	0.0000	-1.6004	.0183		
388	12.0516	28.4941	2.6406	31.8813	1.7055	1.7443	0.0000	-1.6325	.0187		
389	14.1758	28.4979	2.6393	31.8869	1.7315	1.7709	0.0000	-1.6435	.0189		
390	16.0839	28.5100	2.6388	31.8894	1.7653	1.8054	0.0000	-1.6608	.0192		
391	18.1745	28.5339	2.6437	31.8675	1.7141	1.7531	0.0000	-1.5952	.0186		
392	20.1236	28.5120	2.6422	31.8743	1.7332	1.7726	0.0000	-1.5943	.0186		
393	21.5134	28.5109	2.6373	31.8960	1.7286	1.7679	0.0000	-1.5722	.0185		
394	.0863	28.5228	2.6417	31.8763	1.6777	1.7159	0.0000	-1.6416	.0198		
395	.0375	.0578	.9478	39.3297	0.0000	0.0000	0.0000	.0508	.0199		

TEST	995					RUN	26				
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
380	.0781	1.4770	-1.2204	-.8343	1.4747	.4028	-.6492	1.4771	-1.3572	-.8478	1.8000
381	-1.7744	1.2974	-1.2848	-.8756	1.3491	.3645	-.6875	1.2946	-1.3947	-.8860	1.8000
382	.0662	1.4900	-1.2413	-.8439	1.4881	.4040	-.6562	1.4902	-1.3560	-.8548	1.8000
383	1.9142	1.6482	-1.1758	-.8045	1.5934	.4448	-.6195	1.6522	-1.3143	-.8181	1.8000
384	3.8591	1.8676	-1.1603	-.7960	1.7537	.5089	-.6052	1.8722	-1.2471	-.8038	1.8000
385	5.9049	2.0789	-1.1092	-.7649	1.9025	.5770	-.5716	2.0836	-1.1737	-.7701	1.8000
386	7.8767	2.2393	-.9896	-.7189	2.0100	.6494	-.5302	2.2512	-1.0940	-.7287	1.8000
387	9.9851	2.3996	-.8763	-.6906	2.1115	.7420	-.5031	2.4167	-.9914	-.7017	1.8000
388	12.0516	2.5944	-.7955	-.6710	2.2383	.8537	-.4786	2.6058	-.8676	-.6771	1.8000
389	14.1758	2.7510	-.6919	-.6346	2.3269	.9679	-.4393	2.7580	-.7385	-.6378	1.8000
390	16.0839	2.9730	-.5650	-.6513	2.4840	1.1120	-.4521	2.9715	-.5791	-.6507	1.8000
391	18.1745	3.0769	-.3849	-.6020	2.5422	1.2251	-.4086	3.0912	-.4471	-.6072	1.8000
392	20.1236	3.2672	-.2270	-.5569	2.6709	1.3817	-.3614	3.2764	-.2708	-.5599	1.8000
393	21.5134	3.3511	-.1218	-.5193	2.7172	1.4678	-.3243	3.3626	-.1696	-.5229	1.8000
394	.0863	1.4910	-1.2527	-.8502	1.4885	.4053	-.6609	1.4911	-1.3547	-.8595	1.8000
395	.0375	.5704	.1214	-.1461	.5704	.0507	-.1461	.5704	.1016	-.1461	1.8000

NASA LANGLEY											
TEST 995			RUN 28 7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
410	.166	1952	.04	-.00	101050	.7373	.1245	-.2220	.0007	.0012	.0078
411	.166	1952	-1.01	-.00	101050	.6161	.1329	-.2566	.0008	.0008	.0007
412	.166	1959	.04	-.00	101043	.7348	.1259	-.2204	.0006	.0011	.0055
413	.165	1935	1.95	-.00	101063	.8527	.1175	-.1867	.0012	.0011	.0042
414	.165	1922	3.92	-.00	101076	1.0130	.1057	-.1533	.0041	.0003	.0052
415	.165	1932	5.96	-.00	101063	1.1583	.0979	-.1176	.0007	.0009	.0043
416	.166	1949	7.88	.00	101046	1.2659	.0992	-.0731	-.0010	.0021	-.0172
417	.164	1909	9.96	-.00	101086	1.3573	.1018	-.0356	.0001	.0006	.0033
418	.167	1965	12.01	-.00	101063	1.4118	.1023	.0135	.0003	.0005	.0039
419	.165	1932	14.17	.00	101060	1.5230	.1104	.0631	-.0013	.0008	-.0003
420	.165	1922	16.13	-.00	101070	1.5962	.1255	.0847	-.0029	.0003	.0041
421	.166	1939	18.19	-.00	101094	1.7087	.1299	.1114	.0013	.0001	.0056
422	.167	1962	20.11	-.00	101036	1.8099	.1257	.1587	.0014	.0012	.0058
423	.165	1922	21.46	-.00	101076	1.9156	.1258	.1990	.0018	.0018	.0023
424	.166	1945	.07	-.00	101050	.7280	.1377	-.2211	.0014	.0016	.0065

NASA LANGLEY											
TEST 995			RUN 28								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
410	.0418	0.0000	.9718	39.9239	0.0000	0.0000	0.0000	.0279	.0099		
411	-1.8104	0.0000	.9728	39.9198	0.0000	0.0000	0.0000	.0270	.0099		
412	.0418	0.0000	.9717	39.9246	0.0000	0.0000	0.0000	.0280	.0099		
413	1.9512	0.0000	.9718	39.9239	0.0000	0.0000	0.0000	.0281	.0097		
414	3.9221	0.0000	.9716	39.9249	0.0000	0.0000	0.0000	.0285	.0097		
415	5.8992	0.0000	.9721	39.9228	0.0000	0.0000	0.0000	.0278	.0095		
416	7.8797	0.0000	.9700	39.9320	0.0000	0.0000	0.0000	.0295	.0095		
417	9.9578	0.0000	.9688	39.9375	0.0000	0.0000	0.0000	.0312	.0095		
418	12.0106	0.0000	.9688	39.9375	0.0000	0.0000	0.0000	.0301	.0097		
419	14.1726	0.0000	.9675	39.9431	0.0000	0.0000	0.0000	.0316	.0099		
420	16.1338	0.0000	.9671	39.9446	0.0000	0.0000	0.0000	.0318	.0101		
421	18.1900	0.0000	.9647	39.9552	0.0000	0.0000	0.0000	.0335	.0107		
422	20.1107	0.0000	.9630	39.9628	0.0000	0.0000	0.0000	.0343	.0105		
423	21.4626	0.0000	.9635	39.9607	0.0000	0.0000	0.0000	.0342	.0018		
424	.0665	0.0000	.9732	39.9178	0.0000	0.0000	0.0000	.0266	.0099		

NASA LANGLEY											
TEST 995			RUN 28								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
410	.0418	.7372	.1251	-.2220	.7372	.0872	-.2220	.7372	.1152	-.2220	1.0000
411	-1.8104	.6200	.1134	-.2566	.6200	.0765	-.2566	.6200	.1035	-.2566	1.0000
412	.0418	.7347	.1264	-.2204	.7347	.0885	-.2204	.7347	.1165	-.2204	1.0000
413	1.9512	.8482	.1465	-.1867	.8482	.1086	-.1867	.8482	.1368	-.1867	1.0000
414	3.9221	1.0034	.1748	-.1533	1.0034	.1365	-.1533	1.0034	.1651	-.1533	1.0000
415	5.8992	1.1421	.2165	-.1176	1.1421	.1791	-.1176	1.1421	.2069	-.1176	1.0000
416	7.8797	1.2404	.2718	-.0731	1.2404	.2328	-.0731	1.2404	.2623	-.0731	1.0000
417	9.9578	1.3193	.3350	-.0356	1.3193	.2943	-.0356	1.3193	.3255	-.0356	1.0000
418	12.0106	1.3596	.3939	.0135	1.3596	.3541	.0135	1.3596	.3842	.0135	1.0000
419	14.1726	1.4496	.4800	.0631	1.4496	.4384	.0631	1.4496	.4701	.0631	1.0000
420	16.1338	1.4985	.5641	.0847	1.4985	.5222	.0847	1.4985	.5540	.0847	1.0000
421	18.1900	1.5827	.6568	.1114	1.5827	.6126	.1114	1.5827	.6461	.1114	1.0000
422	20.1107	1.6564	.7403	.1587	1.6564	.6956	.1587	1.6564	.7299	.1587	1.0000
423	21.4626	1.7367	.8180	.1990	1.7367	.7819	.1990	1.7367	.8161	.1990	1.0000
424	.0665	.7279	.1385	-.2211	.7279	.1020	-.2211	.7279	.1286	-.2211	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		29		29		29		29	
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P.INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF		
425	.170	2038	.05	-.00	101034	.7108	.1318	-.2086	.0010	.0014	.0063		
426	.163	1879	.09	-.00	101137	1.7227	-1.2993	-.9520	.0063	-.0009	.0148		
427	.165	1935	-1.77	-.00	101087	1.5587	-1.2602	-.9629	.0040	-.0010	.0117		
428	.167	1978	.13	-.00	101030	1.6804	-1.2381	-.9180	.0038	-.0008	.0158		
429	.167	1975	1.97	-.00	101030	1.8163	-1.2487	-.8883	.0037	-.0008	.0158		
430	.166	1949	3.95	-.00	101060	1.9863	-1.2809	-.8625	.0072	-.0017	.0145		
431	.166	1939	5.93	-.00	101077	2.1368	-1.2983	-.8295	.0033	-.0010	.0129		
432	.166	1939	7.98	-.00	101070	2.2403	-1.3009	-.7820	.0035	-.0006	.0147		
433	.165	1929	9.99	-.00	101087	2.3370	-1.3081	-.7462	.0038	-.0003	.0155		
434	.164	1896	12.09	-.00	101130	2.4485	-1.3335	-.7137	.0041	-.0002	.0141		
435	.164	1899	14.19	-.00	101110	2.5617	-1.3279	-.6617	.0050	-.0001	.0135		
436	.164	1896	16.18	-.00	101113	2.7440	-1.3198	-.6715	.0034	-.0003	.0164		
437	.165	1929	18.21	-.00	101080	2.8859	-1.2959	-.6247	.0048	-.0000	.0166		
438	.165	1929	20.23	-.00	101090	3.0176	-1.3003	-.5735	.0056	.0003	.0165		
439	.166	1955	21.54	-.00	101070	3.0944	-1.2790	-.5291	.0043	.0009	.0167		
440	.164	1912	.11	-.00	101100	1.7126	-1.2835	-.9419	.0037	-.0008	.0154		
441	.166	1952	.06	-.00	101063	.7325	.1175	-.2211	.0013	.0009	.0087		

TEST		995		RUN		29		29		29		29	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CO,N	CO,C				
425	.0492	0.0000	.9733	39.9173	0.0000	0.0000	0.0000	.0253	.0139				
426	.0855	28.8921	2.6663	32.4685	1.7366	1.7760	0.0000	-1.7182	.0156				
427	-1.7729	28.8428	2.6675	32.4628	1.6864	1.7247	0.0000	-1.6680	.0155				
428	.1272	28.8225	2.6725	32.4410	1.6503	1.6879	0.0000	-1.6366	.0154				
429	1.9709	28.8161	2.6693	32.4551	1.6532	1.6908	0.0000	-1.6352	.0155				
430	3.9493	28.8096	2.6718	32.4442	1.6774	1.7155	0.0000	-1.6573	.0161				
431	5.9309	28.7991	2.6715	32.4454	1.6856	1.7239	0.0000	-1.6608	.0160				
432	7.9780	28.7968	2.6712	32.4469	1.6854	1.7237	0.0000	-1.6532	.0161				
433	9.9852	28.7696	2.6708	32.4487	1.6934	1.7319	0.0000	-1.6524	.0162				
434	12.0874	28.7486	2.6687	32.4579	1.7212	1.7603	0.0000	-1.6678	.0164				
435	14.1927	28.7661	2.6729	32.4392	1.7221	1.7612	0.0000	-1.6545	.0164				
436	16.1770	28.7684	2.6680	32.4607	1.7236	1.7628	0.0000	-1.6372	.0164				
437	18.2069	28.7532	2.6726	32.4406	1.6952	1.7337	0.0000	-1.5954	.0161				
438	20.2259	28.7734	2.6724	32.4413	1.6958	1.7343	0.0000	-1.5766	.0160				
439	21.5375	28.7335	2.6698	32.4530	1.6714	1.7094	0.0000	-1.5384	.0158				
440	.1120	28.7174	2.6656	32.4714	1.7072	1.7460	0.0000	-1.6873	.0177				
441	.0555	0.0000	.9687	39.9379	0.0000	0.0000	0.0000	.0311	.0180				

TEST		995		RUN		29		29		29		29	
POINT	ALPHA DEG	CL	CO	CH	CL,EQ	CO,EQ	CH,EQ	CL,NOM	CO,NOM	CH,NOM	CHU,NOM		
425	.0492	.7107	.1324	-.2086	.7107	.0932	-.2086	.7107	-.1185	-.2086	1.0000		
426	.0855	1.7246	-1.2967	-.9520	1.7220	.4243	-.7560	1.7247	-1.3357	-.9546	1.0000		
427	-1.7729	1.5189	-1.3078	-.9629	1.5711	.3623	-.7726	1.5166	-1.3969	-.9712	1.0000		
428	.1272	1.6832	-1.2344	-.9180	1.6795	.4805	-.7318	1.6834	-1.3595	-.9304	1.0000		
429	1.9709	1.8582	-1.1855	-.8883	1.8013	.4511	-.7818	1.8618	-1.3078	-.9003	1.0000		
430	3.9493	2.0698	-1.1411	-.8625	1.9543	.5163	-.6733	2.0755	-1.2396	-.8719	1.0000		
431	5.9309	2.2596	-1.0706	-.8295	2.0854	.5900	-.6394	2.2672	-1.1606	-.8379	1.0000		
432	7.9780	2.3992	-.9774	-.7820	2.1653	.6756	-.5918	2.4096	-1.0673	-.7904	1.0000		
433	9.9852	2.5284	-.8831	-.7462	2.2348	.7685	-.5552	2.5399	-.9648	-.7538	1.0000		
434	12.0874	2.6735	-.7912	-.7137	2.3131	.8754	-.5195	2.6816	-.8456	-.7181	1.0000		
435	14.1927	2.8091	-.6593	-.6617	2.3869	.9939	-.4674	2.8184	-.7124	-.6660	1.0000		
436	16.1770	3.0031	-.5031	-.6715	2.5228	1.1359	-.4771	3.0132	-.5544	-.6756	1.0000		
437	18.2069	3.1463	-.3293	-.6247	2.6167	1.2649	-.4334	3.1666	-.4070	-.6320	1.0000		
438	20.2259	3.2810	-.1769	-.5735	2.6948	1.3983	-.3821	3.3032	-.2532	-.5807	1.0000		
439	21.5375	3.3479	-.0537	-.5291	2.7343	1.4853	-.3405	3.3804	-.1519	-.5391	1.0000		
440	.1120	1.7151	-1.2801	-.9419	1.7117	.4894	-.7493	1.7152	-1.3586	-.9479	1.0000		
441	.0555	.7324	.1182	-.2211	.7324	.0691	-.2211	.7324	.1082	-.2211	1.0000		

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 31									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
466	.166	1942	.04	-.00	100846	.6412	.0952	-.1961	-.0001	.0015	.0088
467	.166	1935	-1.82	-.00	100853	.5131	.1037	-.2299	-.0002	.0015	.0066
468	.166	1942	.04	-.00	100846	.6434	.0994	-.1989	.0001	.0017	.0087
469	.165	1916	1.94	-.00	100873	.7607	.0917	-.1622	.0000	.0017	.0101
470	.166	1949	3.90	-.00	100840	.9174	.0797	-.1270	.0014	.0008	.0092
471	.165	1926	5.85	-.00	100863	1.0618	.0725	-.0910	.0005	.0012	.0063
472	.165	1929	7.91	-.00	100863	1.1770	.0671	-.0509	-.0001	.0014	.0092
473	.164	1906	9.96	-.00	100890	1.2734	.0709	-.0111	-.0006	.0014	.0067
474	.164	1896	12.05	-.00	100900	1.3653	.0726	.0352	-.0003	.0007	.0166
475	.165	1919	14.16	-.00	100887	1.4490	.0814	.0797	-.0008	.0013	.0082
476	.163	1886	16.08	.00	100910	1.5529	.1013	.0992	-.0012	.0001	-.0009
477	.162	1846	18.14	-.00	100950	1.7155	.1091	.1230	.0011	.0015	.0091
478	.164	1902	20.13	-.00	100964	1.7629	.1001	.1637	.0014	.0019	.0099
479	.161	1833	21.49	-.00	100974	1.9046	.1006	.2052	.0015	.0026	.0101
480	.166	1935	.05	-.00	100867	.6435	.1132	-.1935	.0005	.0024	.0100

TEST	995	RUN 31									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CD,C		
466	.0367	0.0000	.9705	33.8648	0.0000	0.0000	0.0000	.0293	.0092		
467	-1.8152	0.0000	.9716	33.8625	0.0000	0.0000	0.0000	.0284	.0094		
468	.0390	0.0000	.9716	33.8625	0.0000	0.0000	0.0000	.0283	.0092		
469	1.9361	0.0000	.9723	33.8610	0.0000	0.0000	0.0000	.0280	.0091		
470	3.8978	0.0000	.9712	33.8633	0.0000	0.0000	0.0000	.0285	.0090		
471	5.8520	0.0000	.9722	33.8612	0.0000	0.0000	0.0000	.0278	.0089		
472	7.9075	0.0000	.9726	33.8602	0.0000	0.0000	0.0000	.0272	.0089		
473	9.9588	0.0000	.9720	33.8615	0.0000	0.0000	0.0000	.0279	.0094		
474	12.0526	0.0000	.9715	33.8628	0.0000	0.0000	0.0000	.0285	.0099		
475	14.1557	0.0000	.9700	33.8661	0.0000	0.0000	0.0000	.0293	.0106		
476	16.0801	0.0000	.9677	33.8711	0.0000	0.0000	0.0000	.0318	.0103		
477	18.1387	0.0000	.9661	33.8746	0.0000	0.0000	0.0000	.0338	.0108		
478	20.1304	0.0000	.9659	33.8751	0.0000	0.0000	0.0000	.0326	.0113		
479	21.4856	0.0000	.9655	33.8758	0.0000	0.0000	0.0000	.0339	.0115		
480	.0530	0.0000	.9760	33.8529	0.0000	0.0000	0.0000	.0240	.0092		

TEST	995	RUN 31									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
466	.0367	.6412	.0956	-.1961	.6412	.0571	-.1961	.6412	.0864	-.1961	1.0000
467	-1.8152	.5161	.0874	-.2299	.5161	.0497	-.2299	.5161	.0781	-.2299	1.0000
468	.0390	.6433	.0998	-.1980	.6433	.0623	-.1980	.6433	.0906	-.1980	1.0000
469	1.9361	.7652	.1176	-.1622	.7652	.0806	-.1622	.7652	.1085	-.1622	1.0000
470	3.8978	.9898	.1419	-.1278	.9898	.1045	-.1270	.9898	.1329	-.1270	1.0000
471	5.8520	1.0488	.1804	-.0910	1.0488	.1437	-.0910	1.0488	.1715	-.0910	1.0000
472	7.9075	1.1566	.2284	-.0509	1.1566	.1922	-.0509	1.1566	.2194	-.0509	1.0000
473	9.9588	1.2419	.2901	-.0111	1.2419	.2528	-.0111	1.2419	.2807	-.0111	1.0000
474	12.0526	1.3200	.3561	.0352	1.3200	.3177	.0352	1.3200	.3462	.0352	1.0000
475	14.1557	1.3851	.4333	.0797	1.3851	.3934	.0797	1.3851	.4227	.0797	1.0000
476	16.0801	1.4641	.5275	.0992	1.4641	.4853	.0992	1.4641	.5172	.0992	1.0000
477	18.1387	1.5962	.6377	.1230	1.5962	.5932	.1230	1.5962	.6269	.1230	1.0000
478	20.1304	1.6207	.7007	.1637	1.6207	.6568	.1637	1.6207	.6894	.1637	1.0000
479	21.4856	1.7354	.7912	.2052	1.7354	.7459	.2052	1.7354	.7797	.2052	1.0000
480	.0530	.6434	.1138	-.1935	.6434	.0806	-.1935	.6434	.1046	-.1935	1.0000

NASA LANGLEY											
995			7 X 10 HIGH SPEED TUNNEL								
TEST	RUN 32										
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF
481	.166	1942	.05	-.00	100853	.6460	.1117	-.1922	.0001	.0023	.0089
482	.167	1962	.08	-.00	100833	1.5034	-1.2773	-.8506	.0029	-.0010	.0230
483	.165	1932	-1.73	-.00	100863	1.3730	-1.2977	-.8922	.0031	-.0013	.0189
484	.166	1952	.12	-.00	100843	1.5110	-1.2889	-.8555	.0026	-.0010	.0244
485	.166	1939	1.97	-.00	100856	1.6556	-1.3054	-.8297	.0026	-.0009	.0222
486	.165	1926	3.93	-.00	100870	1.8109	-1.3288	-.8007	.0037	-.0017	.0241
487	.164	1906	5.91	-.00	100890	1.9720	-1.3555	-.7699	.0030	-.0011	.0214
488	.164	1906	7.93	-.00	100890	2.0897	-1.3597	-.7252	.0032	-.0010	.0207
489	.167	1965	10.00	-.00	100830	2.1745	-1.3149	-.6751	.0038	-.0007	.0271
490	.167	1968	12.13	-.00	100826	2.2915	-1.3137	-.6352	.0009	-.0004	.0199
491	.164	1902	14.21	-.00	100900	2.4299	-1.3557	-.6124	.0046	.0003	.0238
492	.165	1922	16.19	-.00	100880	2.5923	-1.3334	-.6075	.0037	-.0001	.0216
493	.165	1926	18.17	-.00	100877	2.7630	-1.3286	-.5814	.0051	.0003	.0219
494	.167	1962	20.11	-.00	100840	2.8924	-1.3048	-.5220	.0055	.0006	.0214
495	.166	1952	21.49	-.00	100860	2.9936	-1.3159	-.4946	.0044	.0015	.0230
496	.166	1955	.09	-.00	100846	1.5095	-1.2925	-.8537	.0029	-.0008	.0209
497	.166	1942	.05	-.00	100867	.6459	.0802	-.1971	.0004	.0015	.0075

995				RUN		32			
TEST	ALPHA	WT FLOW	NPR	THETA,T	CT	CMU,N	CMU,J	CD,N	CD,C
POINT	DEG	N/SEC		DEG					
481	.0510	0.0000	.9763	33.8521	0.0000	0.0000	0.0000	.0236	.0125
482	.0814	28.3379	2.6178	30.2409	1.6138	1.6504	0.0000	-1.5932	.0131
483	-1.7320	28.3478	2.6148	30.2473	1.6376	1.6749	0.0000	-1.6146	.0135
484	.1161	28.3744	2.6206	30.2348	1.6243	1.6612	0.0000	-1.6043	.0136
485	1.9698	28.3509	2.6191	30.2380	1.6341	1.6712	0.0000	-1.6130	.0138
486	3.9268	28.3493	2.6176	30.2412	1.6458	1.6832	0.0000	-1.6199	.0140
487	5.9122	28.3158	2.6191	30.2379	1.6616	1.6994	0.0000	-1.6338	.0144
488	7.9278	28.3047	2.6190	30.2381	1.6625	1.7003	0.0000	-1.6267	.0145
489	10.0017	28.2996	2.6140	30.2492	1.6097	1.6463	0.0000	-1.5627	.0141
490	12.1327	28.2745	2.6187	30.2389	1.6076	1.6442	0.0000	-1.5532	.0141
491	14.2055	28.2549	2.6128	30.2519	1.6626	1.7004	0.0000	-1.5889	.0146
492	16.1883	28.2533	2.6161	30.2446	1.6461	1.6836	0.0000	-1.5607	.0144
493	18.1690	28.2556	2.6154	30.2460	1.6422	1.6795	0.0000	-1.5408	.0144
494	20.1076	28.2587	2.6210	30.2339	1.6155	1.6522	0.0000	-1.4992	.0140
495	21.4942	28.2573	2.6137	30.2498	1.6215	1.6583	0.0000	-1.4866	.0141
496	.0885	28.1891	2.6143	30.2485	1.6178	1.6546	0.0000	-1.5954	.0157
497	.0509	0.0000	.9727	33.8600	0.0000	0.0000	0.0000	.0271	.0106

995				RUN				32			
TEST	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
481	.0510	.6459	.1123	-.1922	.6459	.0762	-.1922	.6459	.0997	-.1922	1.8000
482	.0814	1.5052	-1.2751	-.8506	1.5029	.3255	-.6685	1.5054	-1.4345	-.8671	1.8000
483	-1.7320	1.3331	-1.3386	-.8922	1.3826	.2848	-.7675	1.3294	-1.4744	-.9060	1.8000
484	.1161	1.5136	-1.2858	-.8555	1.5103	.3248	-.6722	1.5139	-1.4352	-.8708	1.8000
485	1.9698	1.6995	-1.2477	-.8297	1.6434	.3716	-.6454	1.7039	-1.3873	-.8439	1.8000
486	3.9268	1.8976	-1.2017	-.8007	1.7849	.4262	-.6151	1.9054	-1.3297	-.8136	1.8000
487	5.9122	2.1011	-1.1452	-.7699	1.9299	.4932	-.5825	2.1112	-1.2574	-.7810	1.8000
488	7.9278	2.2573	-1.0585	-.7252	2.0279	.5737	-.5376	2.2787	-1.1695	-.7362	1.8000
489	10.0017	2.3698	-.9172	-.6751	2.0902	.6540	-.4935	2.3959	-1.0793	-.6920	1.8000
490	12.1327	2.5165	-.8027	-.6352	2.1786	.7549	-.4539	2.5485	-.9658	-.6524	1.8000
491	14.2055	2.6883	-.7180	-.6124	2.2803	.8792	-.4248	2.7122	-.8269	-.6234	1.8000
492	16.1883	2.8612	-.5578	-.6075	2.4023	1.0086	-.4218	2.8930	-.6816	-.6204	1.8000
493	18.1690	3.0395	-.4008	-.5814	2.5274	1.1451	-.3961	3.0762	-.5271	-.5947	1.8000
494	20.1076	3.1646	-.2309	-.5220	2.6093	1.2721	-.3398	3.2143	-.3887	-.5383	1.8000
495	21.4942	3.2676	-.1275	-.4946	2.6734	1.3671	-.3116	3.3183	-.2705	-.5102	1.8000
496	.0885	1.5115	-1.2901	-.8537	1.5090	.3120	-.6712	1.5117	-1.4480	-.8697	1.8000
497	.0509	.6458	.0808	-.1971	.6458	.0430	-.1971	.6458	.0701	-.1971	1.8000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
510	.166	1945	.03	-.00	100843	.4551	.0633	-.1325	-.0016	-.0002	-.0014
511	.166	1949	-1.83	-.00	100840	.3281	.0648	-.1690	-.0014	-.0008	-.0020
512	.166	1942	.05	-.00	100846	.4534	.0628	-.1335	-.0011	-.0002	-.0016
513	.165	1932	1.91	-.00	100863	.5827	.0586	-.0976	-.0022	-.0002	-.0002
514	.165	1916	3.86	.00	100880	.7192	.0485	-.0593	-.0005	-.0002	-.0021
515	.165	1919	5.91	-.00	100877	.8517	.0344	-.0229	-.0001	-.0002	-.0011
516	.165	1916	7.89	-.00	100880	.9609	.0246	.0230	-.0011	-.0003	-.0028
517	.169	2008	9.97	-.00	100857	1.0102	.0179	.0694	-.0016	-.0002	-.0020
518	.165	1922	12.00	.00	100877	1.1405	.0229	.1230	-.0015	-.0011	-.0095
519	.165	1916	14.13	.00	100887	1.2349	.0241	.1725	-.0008	-.0003	-.0012
520	.163	1886	16.12	.00	100917	1.3349	.0459	.1970	-.0010	-.0005	-.0020
521	.164	1909	18.11	.00	100893	1.4705	.0530	.2259	-.0021	-.0006	-.0020
522	.164	1906	20.09	.00	100900	1.6126	.0512	.2639	-.0003	-.0000	-.0025
523	.168	1985	21.44	-.00	100820	1.6996	.0456	.2976	-.0001	-.0005	-.0035
524	.166	1939	.04	-.00	100877	.4578	.0703	-.1312	-.0011	-.0001	-.0027

TEST		995		RUN		33			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
510	.0259	0.0000	.9763	20.4000	0.0000	0.0000	0.0000	.0235	.0081
511	-1.8256	0.0000	.9772	20.4000	0.0000	0.0000	0.0000	.0226	.0081
512	.0511	0.0000	.9777	20.4000	0.0000	0.0000	0.0000	.0222	.0081
513	1.9077	0.0000	.9777	20.4000	0.0000	0.0000	0.0000	.0223	.0079
514	3.8563	0.0000	.9777	20.4000	0.0000	0.0000	0.0000	.0225	.0077
515	5.9064	0.0000	.9783	20.4000	0.0000	0.0000	0.0000	.0218	.0074
516	7.8897	0.0000	.9788	20.4000	0.0000	0.0000	0.0000	.0212	.0074
517	9.9668	0.0000	.9789	20.4000	0.0000	0.0000	0.0000	.0200	.0072
518	11.9992	0.0000	.9792	20.4000	0.0000	0.0000	0.0000	.0205	.0074
519	14.1261	0.0000	.9778	20.4000	0.0000	0.0000	0.0000	.0217	.0074
520	16.1228	0.0000	.9727	20.4000	0.0000	0.0000	0.0000	.0268	.0082
521	18.1084	0.0000	.9693	20.4000	0.0000	0.0000	0.0000	.0296	.0096
522	20.0906	0.0000	.9684	20.4000	0.0000	0.0000	0.0000	.0301	.0099
523	21.4413	0.0000	.9668	20.4000	0.0000	0.0000	0.0000	.0308	.0100
524	.0492	0.0000	.9815	20.4000	0.0000	0.0000	0.0000	.0385	.0081

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
510	.0259	.4551	.0635	-.1325	.4551	.0319	-.1325	.4551	.0554	-.1325	1.0000
511	-1.8256	.3300	.0543	-.1690	.3300	.0236	-.1690	.3300	.0462	-.1690	1.0000
512	.0511	.4533	.0632	-.1335	.4533	.0329	-.1335	.4533	.0551	-.1335	1.0000
513	1.9077	.5804	.0780	-.0976	.5804	.0478	-.0976	.5804	.0701	-.0976	1.0000
514	3.8563	.7143	.0968	-.0593	.7143	.0666	-.0593	.7143	.0890	-.0593	1.0000
515	5.9064	.8436	.1218	-.0229	.8436	.0926	-.0229	.8436	.1144	-.0229	1.0000
516	7.8897	.9484	.1563	.0230	.9484	.1278	.0230	.9484	.1489	.0230	1.0000
517	9.9668	.9919	.1924	.0694	.9919	.1653	.0694	.9919	.1852	.0694	1.0000
518	11.9992	1.1108	.2595	.1230	1.1108	.2317	.1230	1.1108	.2521	.1230	1.0000
519	14.1261	1.1917	.3247	.1725	1.1917	.2956	.1725	1.1917	.3173	.1725	1.0000
520	16.1228	1.2696	.4148	.1970	1.2696	.3798	.1970	1.2696	.4067	.1970	1.0000
521	18.1084	1.3812	.5074	.2259	1.3812	.4683	.2259	1.3812	.4978	.2259	1.0000
522	20.0906	1.4969	.6021	.2639	1.4969	.5621	.2639	1.4969	.5922	.2639	1.0000
523	21.4413	1.5653	.6638	.2976	1.5653	.6237	.2976	1.5653	.6538	.2976	1.0000
524	.0492	.4578	.0707	-.1312	.4578	.0441	-.1312	.4578	.0626	-.1312	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	HACH	Q N/(MXM)	RUN 34								
			ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPH	CRM,B	CYM,B	CSF
525	.165	1926	.04	-.00	100897	.4622	.0690	-.1313	-.0013	-.0003	-.0027
526	.167	1978	.08	-.00	100847	1.1346	-1.5909	-.5744	-.0007	-.0029	.0301
527	.167	1962	-1.79	-.00	100864	1.0007	-1.6031	-.6095	-.0011	-.0017	.0107
528	.168	1995	.10	-.00	100884	1.1185	-1.5798	-.5656	-.0013	-.0011	.0061
529	.167	1959	1.96	-.00	100894	1.2714	-1.6175	-.5431	-.0019	-.0011	.0051
530	.166	1949	3.94	-.00	100880	1.4148	-1.6388	-.5141	-.0016	-.0016	.0058
531	.166	1935	5.90	-.00	100894	1.5677	-1.6616	-.4780	.0002	-.0015	.0086
532	.165	1929	7.90	-.00	100900	1.7024	-1.6721	-.4384	-.0013	-.0011	.0071
533	.164	1902	10.01	-.00	100927	1.8087	-1.6945	-.4037	-.0012	-.0009	.0074
534	.165	1919	12.06	-.00	100910	1.9051	-1.6790	-.3584	-.0013	-.0003	.0101
535	.164	1909	14.17	-.00	100920	2.0050	-1.6858	-.3092	-.0013	-.0001	.0094
536	.164	1909	16.15	-.00	100920	2.1476	-1.6758	-.3017	-.0011	.0002	.0123
537	.163	1886	18.13	-.00	100944	2.3276	-1.6938	-.2818	-.0006	.0001	.0118
538	.163	1879	20.14	-.00	100954	2.4664	-1.7051	-.2361	.0012	.0003	.0113
539	.166	1945	21.44	-.00	100911	2.5394	-1.6515	-.1943	.0004	.0011	.0112
540	.167	1972	.08	-.00	100857	1.1370	-1.6006	-.5768	-.0015	-.0014	.0050
541	.166	1942	.04	.00	100880	.4662	.0362	-.1358	-.0016	-.0012	-.0074

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	MT FLOW N/SEC	RUN 34								
			NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
525	.0424	0.0000	.9824	20.4000	0.0000	0.0000	0.0000	.0177	.0078		
526	.0774	29.8404	2.7623	20.4000	1.7258	1.7650	0.0000	-1.7213	.0139		
527	-1.7912	29.8254	2.7614	20.4000	1.7392	1.7787	0.0000	-1.7343	.0141		
528	.1026	29.7924	2.7573	20.4000	1.7081	1.7469	0.0000	-1.7029	.0136		
529	1.9640	29.6909	2.7523	20.4000	1.7335	1.7729	0.0000	-1.7287	.0138		
530	3.9385	29.7835	2.7580	20.4000	1.7500	1.7898	0.0000	-1.7397	.0140		
531	5.8999	29.7631	2.7592	20.4000	1.7627	1.8028	0.0000	-1.7479	.0142		
532	7.8979	29.7500	2.7558	20.4000	1.7665	1.8067	0.0000	-1.7432	.0143		
533	10.0058	29.7288	2.7559	20.4000	1.7910	1.8317	0.0000	-1.7578	.0144		
534	12.0579	29.7167	2.7553	20.4000	1.7756	1.8160	0.0000	-1.7297	.0143		
535	14.1684	29.7130	2.7592	20.4000	1.7873	1.8279	0.0000	-1.7278	.0144		
536	16.1532	29.6516	2.7509	20.4000	1.7810	1.8215	0.0000	-1.7036	.0143		
537	18.1297	29.7045	2.7593	20.4000	1.8091	1.8502	0.0000	-1.7148	.0144		
538	20.1369	29.6602	2.7508	20.4000	1.8113	1.8524	0.0000	-1.6920	.0144		
539	21.4429	29.6485	2.7553	20.4000	1.7519	1.7917	0.0000	-1.6239	.0139		
540	.0842	29.6235	2.7587	20.4000	1.7305	1.7698	0.0000	-1.7238	.0152		
541	.0428	0.0000	.9786	20.4000	0.0000	0.0000	0.0000	.0213	.0159		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	RUN 34								
			CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
525	.0424	.4621	.0694	-.1313	.4621	.0439	-.1313	.4621	.0616	-.1313	1.0000
526	.0774	1.1367	-1.5894	-.5744	1.1344	.1225	-.3797	1.1368	-1.6375	-.5783	1.0000
527	-1.7912	.9501	-1.6336	-.6095	1.0045	.0986	-.4133	.9494	-1.6665	-.6118	1.0000
528	.1026	1.1214	-1.5778	-.5656	1.1183	.1166	-.3729	1.1215	-1.6434	-.5714	1.0000
529	1.9640	1.3261	-1.5730	-.5431	1.2666	.1457	-.3475	1.3270	-1.6133	-.5461	1.0000
530	3.9385	1.5241	-1.5370	-.5141	1.4039	.1941	-.3167	1.5246	-1.5618	-.5153	1.0000
531	5.8999	1.7302	-1.4916	-.4780	1.5490	.2476	-.2792	1.7299	-1.5031	-.4777	1.0000
532	7.8979	1.9161	-1.4223	-.4384	1.6733	.3133	-.2391	1.9152	-1.4300	-.4376	1.0000
533	10.0058	2.0756	-1.3545	-.4037	1.7644	.3948	-.2017	2.0702	-1.3384	-.4002	1.0000
534	12.0579	2.2138	-1.2440	-.3584	1.8429	.4782	-.1581	2.2105	-1.2430	-.3566	1.0000
535	14.1684	2.3567	-1.1438	-.3092	1.9192	.5748	-.1076	2.3508	-1.1317	-.3061	1.0000
536	16.1532	2.5291	-1.0122	-.3017	2.0336	.6842	-.1008	2.5232	-1.0063	-.2994	1.0000
537	18.1297	2.7390	-.8854	-.2818	2.1761	.8195	-.0777	2.7238	-.8532	-.2763	1.0000
538	20.1369	2.9027	-.7518	-.2361	2.2791	.9343	-.0318	2.8858	-.7181	-.2303	1.0000
539	21.4429	2.9673	-.6088	-.1943	2.3269	1.0079	.0033	2.9703	-.6303	-.1952	1.0000
540	.0842	1.1394	-1.5989	-.5768	1.1368	.1164	-.3816	1.1394	-1.6436	-.5802	1.0000
541	.0428	.4662	.0366	-.1358	.4662	-.0006	-.1358	.4662	.0286	-.1358	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 35								
POINT	MACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P,INF N/(HXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
544	.167	1965	.03	.00	100870	.3761	.0592	-.1065	-.0014	-.0004	-.0034
545	.166	1952	-1.86	.00	100887	.2559	.0591	-.1429	-.0008	-.0010	.0012
546	.166	1955	.03	.00	100887	.3931	.0563	-.1028	-.0011	-.0004	-.0034
547	.166	1945	1.88	-.00	100897	.5092	.0536	-.0732	-.0015	-.0008	.0055
548	.166	1935	3.02	.00	100911	.6395	.0468	-.0372	-.0008	-.0002	-.0028
549	.168	1995	5.88	-.00	100854	.7732	.0297	.0040	-.0007	-.0003	.0017
550	.163	1869	7.84	-.00	100901	.8952	.0208	.0444	-.0008	-.0004	.0006
551	.166	1945	9.94	-.00	100904	.9884	.0129	.0924	-.0021	-.0004	.0026
552	.166	1949	12.00	-.00	100901	1.0633	.0101	.1403	-.0019	-.0001	.0029
553	.166	1939	14.08	-.00	100911	1.1798	.0138	.1919	-.0010	-.0001	.0029
554	.166	1939	16.04	.00	100911	1.2918	.0315	.2177	-.0007	-.0005	.0023
555	.165	1929	18.11	.00	100921	1.4235	.0437	.2381	-.0021	-.0003	.0024
556	.165	1916	20.07	.00	100934	1.5768	.0391	.2749	-.0005	-.0002	.0040
557	.163	1889	21.43	.00	100961	1.6785	.0360	.3071	.0004	.0004	.0035
558	.167	1959	.01	.00	100891	.3783	.0616	-.1068	-.0013	-.0005	-.0057

TEST		995		RUN		35			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
544	.0268	0.0000	.9825	16.0000	0.0000	0.0000	0.0000	.0172	.0075
545	-1.8626	0.0000	.9826	16.0000	0.0000	0.0000	0.0000	.0172	.0076
546	.0281	0.0000	.9834	16.0000	0.0000	0.0000	0.0000	.0164	.0075
547	1.8819	0.0000	.9830	16.0000	0.0000	0.0000	0.0000	.0169	.0075
548	3.8202	0.0000	.9830	16.0000	0.0000	0.0000	0.0000	.0170	.0074
549	5.8805	0.0000	.9826	16.0000	0.0000	0.0000	0.0000	.0168	.0072
550	7.8358	0.0000	.9840	16.0000	0.0000	0.0000	0.0000	.0164	.0070
551	9.9358	0.0000	.9838	16.0000	0.0000	0.0000	0.0000	.0159	.0071
552	12.0027	0.0000	.9840	16.0000	0.0000	0.0000	0.0000	.0155	.0073
553	14.0834	0.0000	.9830	16.0000	0.0000	0.0000	0.0000	.0165	.0073
554	16.0420	0.0000	.9784	16.0000	0.0000	0.0000	0.0000	.0207	.0077
555	18.1115	0.0000	.9731	16.0000	0.0000	0.0000	0.0000	.0257	.0094
556	20.0735	0.0000	.9704	16.0000	0.0000	0.0000	0.0000	.0280	.0096
557	21.4285	0.0000	.9729	16.0000	0.0000	0.0000	0.0000	.0259	.0097
558	.0106	0.0000	.9861	16.0000	0.0000	0.0000	0.0000	.0138	.0075

TEST 995			RUN 35								
POINT	ALPHA DEG	CL	CO	CM	CL,EQ	CO,EQ	CM,EQ	CL,NOM	CO,NOM	CM,NOM	CMU,NOM
544	.0268	.3761	.0593	-.1065	.3761	.0346	-.1065	.3761	.0519	-.1065	1.0000
545	-1.8626	.2577	.0508	-.1429	.2577	.0259	-.1429	.2577	.0431	-.1429	1.0000
546	.0281	.3931	.0565	-.1028	.3931	.0326	-.1028	.3931	.0490	-.1028	1.0000
547	1.8819	.5071	.0703	-.0732	.5071	.0459	-.0732	.5071	.0628	-.0732	1.0000
548	3.8202	.6350	.0893	-.0372	.6350	.0649	-.0372	.6350	.0819	-.0372	1.0000
549	5.8805	.7661	.1087	.0040	.7661	.0847	.0040	.7661	.1015	.0040	1.0000
550	7.8358	.8840	.1426	.0444	.8840	.1193	.0444	.8840	.1356	.0444	1.0000
551	9.9358	.9714	.1833	.0924	.9714	.1602	.0924	.9714	.1761	.0924	1.0000
552	12.0027	1.0575	.2352	.1403	1.0575	.2123	.1403	1.0575	.2279	.1403	1.0000
553	14.0834	1.1410	.3004	.1919	1.1410	.2767	.1919	1.1410	.2932	.1919	1.0000
554	16.0420	1.2328	.3872	.2177	1.2328	.3588	.2177	1.2328	.3795	.2177	1.0000
555	18.1115	1.3394	.4841	.2381	1.3394	.4491	.2381	1.3394	.4747	.2381	1.0000
556	20.0735	1.4668	.5777	.2749	1.4668	.5408	.2749	1.4668	.5680	.2749	1.0000
557	21.4285	1.5493	.6468	.3071	1.5493	.6112	.3071	1.5493	.6371	.3071	1.0000
558	.0106	.3782	.0617	-.1068	.3782	.0404	-.1068	.3782	.0542	-.1068	1.0000

NASA LANGLEY										
TEST 995			7 X 10 HIGH SPEED TUNNEL							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CSF
559	.167	1975	.01	.00	100891	.3728	.0593	-.1061	-.0015	-.0007
560	.166	1949	.01	.00	100901	.3779	.0595	-.1064	-.0011	-.0004
561	.166	1955	.03	.00	100894	.8790	-1.5411	-.4519	-.0001	-.0028
562	.166	1935	-1.72	-.00	100914	.7451	-1.5635	-.4864	-.0001	-.0033
563	.168	1992	.04	-.00	100857	.8743	-1.5139	-.4451	-.0006	-.0027
564	.166	1945	1.91	-.00	100904	1.0233	-1.5562	-.4218	-.0002	-.0027
565	.167	1972	3.88	-.00	100877	1.1520	-1.5465	-.3857	-.0004	-.0029
566	.166	1952	5.90	-.00	100897	1.2997	-1.5782	-.3532	.0008	-.0040
567	.167	1968	7.91	-.00	100891	1.4419	-1.5688	-.3102	.0001	-.0030
568	.168	1995	9.94	-.00	100864	1.5479	-1.5474	-.2742	-.0001	-.0024
569	.166	1949	12.07	-.00	100928	1.6684	-1.5844	-.2469	.0001	-.0020
570	.167	1975	14.19	-.00	100874	1.7935	-1.5606	-.1990	.0007	-.0014
571	.166	1942	16.13	-.00	100907	1.9542	-1.5756	-.1980	.0001	-.0017
572	.168	1985	18.12	-.00	100864	2.1152	-1.5379	-.1724	.0012	-.0012
573	.165	1926	20.16	-.00	100927	2.2923	-1.5920	-.1439	.0024	-.0012
574	.165	1926	21.61	-.00	100927	2.4179	-1.5970	-.1107	.0015	-.0007
575	.166	1952	.05	-.00	100897	.8816	-1.5484	-.4541	.0005	-.0025
576	.167	1968	.02	.00	100887	.3750	.0220	-.1117	-.0016	-.0023

TEST		995		RUN		36			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
559	.0082	0.0000	.9864	16.0000	0.0000	0.0000	0.0000	.0133	.0077
560	.0082	0.0000	.9857	16.0000	0.0000	0.0000	0.0000	.0142	.0078
561	.0334	28.4953	2.6361	16.0000	1.6351	1.6722	0.0000	-1.6177	.0180
562	-1.7175	28.4916	2.6374	16.0000	1.6529	1.6905	0.0000	-1.6352	.0183
563	.0411	28.4703	2.6394	16.0000	1.6063	1.6428	0.0000	-1.5908	.0178
564	1.9112	28.4570	2.6339	16.0000	1.6429	1.6802	0.0000	-1.6230	.0178
565	3.8762	28.4587	2.6383	16.0000	1.6219	1.6588	0.0000	-1.6023	.0175
566	5.9007	28.4384	2.6380	16.0000	1.6389	1.6762	0.0000	-1.6138	.0175
567	7.9053	28.4255	2.6407	16.0000	1.6264	1.6634	0.0000	-1.5960	.0174
568	9.9448	28.3971	2.6396	16.0000	1.6826	1.6390	0.0000	-1.5646	.0178
569	12.0712	28.3913	2.6352	16.0000	1.6405	1.6778	0.0000	-1.5870	.0188
570	14.1913	28.3898	2.6352	16.0000	1.6191	1.6559	0.0000	-1.5514	.0207
571	16.1313	28.3464	2.6356	16.0000	1.6458	1.6832	0.0000	-1.5643	.0223
572	18.1246	28.3333	2.6374	16.0000	1.6099	1.6465	0.0000	-1.5152	.0234
573	20.1582	28.3148	2.6330	16.0000	1.6579	1.6956	0.0000	-1.5396	.0252
574	21.6128	28.3057	2.6355	16.0000	1.6591	1.6968	0.0000	-1.5271	.0264
575	.0450	28.2577	2.6345	16.0000	1.6390	1.6762	0.0000	-1.6189	.0181
576	.0197	0.0000	.9819	16.0000	0.0000	0.0000	0.0000	.0177	.0078

NASA LANGLEY										
TEST 995			7 X 10 HIGH SPEED TUNNEL							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM
559	.0082	.3728	.0594	-.1061	.3728	.0383	-.1061	.3728	.0516	-.1061
560	.0082	.3779	.0596	-.1064	.3779	.0376	-.1064	.3779	.0517	-.1064
561	.0334	.8799	-1.5406	-.4519	.8789	.0764	-.2674	.8799	-1.5836	-.4660
562	-1.7175	.6979	-1.5852	-.4864	.7474	.0487	-.2999	.6947	-1.7106	-.4984
563	.0411	.8754	-1.5133	-.4451	.8742	.0751	-.2639	.8755	-1.6849	-.4625
564	1.9112	1.0746	-1.5212	-.4218	1.0198	.1030	-.2364	1.0785	-1.6560	-.4350
565	3.8762	1.2539	-1.4651	-.3857	1.1443	.1356	-.2027	1.2633	-1.6204	-.4012
566	5.9007	1.4550	-1.4362	-.3532	1.2866	.1765	-.1683	1.4675	-1.5742	-.3668
567	7.9053	1.6440	-1.3556	-.3102	1.4203	.2380	-.1267	1.6624	-1.5053	-.3253
568	9.9448	1.7919	-1.2568	-.2742	1.5151	.3038	-.0934	1.8191	-1.4297	-.2920
569	12.0712	1.9628	-1.2004	-.2469	1.6197	.3850	-.0619	1.9878	-1.3361	-.2604
570	14.1913	2.1214	-1.0733	-.1990	1.7244	.4758	-.0163	2.1559	-1.2305	-.2149
571	16.1313	2.3158	-.9708	-.1980	1.8577	.5882	-.0123	2.3467	-1.1025	-.2109
572	18.1246	2.4886	-.8036	-.1724	1.9878	.7831	.0092	2.5353	-.9696	-.1893
573	20.1582	2.7005	-.7045	-.1439	2.1291	.8267	.0432	2.7357	-.8255	-.1554
574	21.6128	2.8362	-.5941	-.1107	2.2250	.9220	.0765	2.8733	-.7142	-.1221
575	.0450	.8828	-1.5477	-.4541	.8815	.0732	-.2692	.8829	-1.6868	-.4678
576	.0197	.3750	.0221	-.1117	.3750	-.0834	-.1117	.3750	.0144	-.1117

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	38					
POINT	MACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P,INF N/(HXH)	CNF	CAF	CPH	CRM,B	CYN,B	CSF	
605	.166	1945	.00	.00	101043	.2475	.0506	-.0726	-.0003	.0002	-.0007	
606	.165	1932	-1.87	.00	101053	.1131	.0511	-.1049	-.0009	.0002	-.0067	
607	.165	1935	-.02	-.00	101053	.2487	.0507	-.0729	-.0006	.0002	-.0006	
608	.165	1922	1.93	.00	101066	.3790	.0451	-.0400	-.0008	.0002	-.0014	
609	.166	1945	3.88	.00	101043	.5176	.0348	-.0058	-.0007	.0001	-.0023	
610	.165	1916	5.85	.00	101073	.6752	.0212	.0322	-.0008	-.0008	.0002	
611	.166	1952	7.90	.00	101036	.8148	.0099	.0607	-.0011	-.0000	-.0011	
612	.165	1932	9.96	.00	101056	.9518	.0037	.0927	-.0011	-.0001	-.0011	
613	.165	1935	12.04	.00	101053	1.0745	.0002	.1301	-.0010	.0001	-.0033	
614	.168	1985	14.17	.00	101003	1.1934	.0022	.1735	-.0008	.0003	-.0041	
615	.166	1945	16.13	.00	101046	1.3237	.0097	.1973	-.0007	.0001	-.0030	
616	.164	1906	18.17	.00	101083	1.4895	.0234	.2033	-.0013	-.0001	-.0060	
617	.167	1978	20.14	.00	101009	1.6380	.0181	.2412	-.0016	.0001	-.0021	
618	.162	1863	21.93	.00	101127	1.7727	.0159	.2854	.0005	.0014	-.0027	
619	.177	2199	.03	.00	100775	.2483	.0546	-.0737	-.0002	.0004	-.0018	

TEST	995					RUN	38			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
605	.0033	0.0000	.9824	15.0000	0.0000	0.0000	0.0000	.0175	.0074	
606	-1.8693	0.0000	.9842	15.0000	0.0000	0.0000	0.0000	.0158	.0074	
607	-.0153	0.0000	.9849	15.0000	0.0000	0.0000	0.0000	.0151	.0074	
608	1.9279	0.0000	.9856	15.0000	0.0000	0.0000	0.0000	.0145	.0074	
609	3.8830	0.0000	.9852	15.0000	0.0000	0.0000	0.0000	.0147	.0074	
610	5.8538	0.0000	.9856	15.0000	0.0000	0.0000	0.0000	.0144	.0073	
611	7.8974	0.0000	.9853	15.0000	0.0000	0.0000	0.0000	.0145	.0072	
612	9.9571	0.0000	.9844	15.0000	0.0000	0.0000	0.0000	.0154	.0072	
613	12.0427	0.0000	.9842	15.0000	0.0000	0.0000	0.0000	.0154	.0077	
614	14.1655	0.0000	.9822	15.0000	0.0000	0.0000	0.0000	.0169	.0077	
615	16.1326	0.0000	.9794	15.0000	0.0000	0.0000	0.0000	.0197	.0077	
616	18.1697	0.0000	.9748	15.0000	0.0000	0.0000	0.0000	.0243	.0088	
617	20.1432	0.0000	.9730	15.0000	0.0000	0.0000	0.0000	.0248	.0092	
618	21.9285	0.0000	.9752	15.0000	0.0000	0.0000	0.0000	.0239	.0092	
619	.0280	0.0000	.9842	15.0000	0.0000	0.0000	0.0000	.0139	.0074	

TEST	995					RUN	38				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
605	.0033	.2475	.0506	-.0726	.2475	.0257	-.0726	.2475	.0432	-.0726	1.0000
606	-1.8693	.1147	.0474	-.1049	.1147	.0242	-.1049	.1147	.0400	-.1049	1.0000
607	-.0153	.2487	.0506	-.0729	.2487	.0282	-.0729	.2487	.0432	-.0729	1.0000
608	1.9279	.3772	.0579	-.0400	.3772	.0360	-.0400	.3772	.0585	-.0400	1.0000
609	3.8830	.5140	.0698	-.0058	.5140	.0477	-.0058	.5140	.0624	-.1058	1.0000
610	5.8538	.6695	.0899	.0322	.6695	.0681	.0322	.6695	.0826	.0322	1.0000
611	7.8974	.8057	.1218	.0607	.8057	.1001	.0607	.8057	.1146	.0607	1.0000
612	9.9571	.9361	.1681	.0927	.9361	.1454	.0927	.9361	.1688	.0927	1.0000
613	12.0427	1.0508	.2243	.1301	1.0508	.2013	.1301	1.0508	.2167	.1301	1.0000
614	14.1655	1.1566	.2942	.1735	1.1566	.2697	.1735	1.1566	.2866	.1735	1.0000
615	16.1326	1.2689	.3771	.1973	1.2689	.3497	.1973	1.2689	.3694	.1973	1.0000
616	18.1697	1.4079	.4867	.2033	1.4079	.4537	.2033	1.4079	.4780	.2033	1.0000
617	20.1432	1.5241	.5783	.2412	1.5241	.5443	.2412	1.5241	.5691	.2412	1.0000
618	21.9285	1.6385	.6767	.2854	1.6385	.6436	.2854	1.6385	.6675	.2854	1.0000
619	.0280	.2483	.0547	-.0737	.2483	.0335	-.0737	.2483	.0473	-.0737	1.0000

NASA LANGLEY											
TEST		995		RUN 39							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CZF	CPH	CRM,B	CYM,B	CSF
620	.166	1939	-.01	.00	101039	.2390	.0538	-.0761	-.0003	.0000	-.0066
621	.167	1975	.02	.00	100999	.8150	-1.5258	-.5630	.0035	-.0032	.0085
622	.166	1942	-1.85	.00	101033	.6778	-1.5453	-.6136	.0052	-.0033	.0019
623	.167	1965	.04	.00	101009	.8184	-1.5348	-.5823	.0040	-.0034	.0084
624	.167	1968	1.96	.00	101006	1.0025	-1.5991	-.5888	.0002	-.0078	.0076
625	.166	1959	3.91	.00	101016	1.1508	-1.6205	-.5617	-.0003	-.0077	.0071
626	.166	1949	5.92	.00	101026	1.3057	-1.6437	-.5319	.0000	-.0092	.0183
627	.166	1945	7.92	.00	101029	1.4658	-1.6485	-.4967	.0006	-.0082	.0112
628	.165	1932	10.02	.00	101042	1.6260	-1.6688	-.4781	.0002	-.0076	.0092
629	.164	1906	12.07	.00	101069	1.7921	-1.6921	-.4650	-.0003	-.0072	.0059
630	.165	1929	14.17	.00	101046	1.9403	-1.6758	-.4309	-.0001	-.0070	.0058
631	.164	1912	16.18	.00	101059	2.1257	-1.6892	-.4243	-.0005	-.0070	.0107
632	.163	1879	18.21	.00	101096	2.3457	-1.7163	-.4424	.0004	-.0073	.0084
633	.164	1896	20.19	.00	101076	2.5345	-1.7064	-.4175	.0014	-.0067	.0077
634	.167	1972	21.85	.00	101060	2.6885	-1.6466	-.3757	.0013	-.0059	.0075
635	.168	2005	.03	.00	101023	.8386	-1.5761	-.6065	.0001	-.0077	.0051
636	.163	1886	-.00	.00	101083	.2594	-.0017	-.0738	-.0011	-.0028	-.0188

TEST		995		RUN 39							
POINT		ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
620		-.0115	0.0000	.9896	15.0000	0.0000	0.0000	0.0000	.0103	.0076	
621		.0165	29.3524	2.6970	15.0000	1.6751	1.7131	0.0000	-1.6628	.0215	
622		-1.8465	29.2996	2.6874	15.0000	1.6953	1.7339	0.0000	-1.6812	.0219	
623		.0399	29.3625	2.6910	15.0000	1.6790	1.7172	0.0000	-1.6655	.0218	
624		1.9551	30.1843	2.7816	15.0000	1.7545	1.7944	0.0000	-1.7506	.0213	
625		3.9139	30.1722	2.7822	15.0000	1.7645	1.8046	0.0000	-1.7572	.0212	
626		5.9183	30.1572	2.7832	15.0000	1.7751	1.8154	0.0000	-1.7620	.0211	
627		7.9202	30.0976	2.7885	15.0000	1.7767	1.8171	0.0000	-1.7628	.0212	
628		10.0188	30.0575	2.7801	15.0000	1.7861	1.8267	0.0000	-1.7566	.0219	
629		12.0709	29.9816	2.7779	15.0000	1.8085	1.8496	0.0000	-1.7667	.0231	
630		14.1750	29.9633	2.7828	15.0000	1.7897	1.8303	0.0000	-1.7343	.0223	
631		16.1802	29.9310	2.7782	15.0000	1.8045	1.8455	0.0000	-1.7293	.0222	
632		18.2147	29.8938	2.7799	15.0000	1.8362	1.8779	0.0000	-1.7427	.0222	
633		20.1922	29.8338	2.7815	15.0000	1.8196	1.8609	0.0000	-1.7081	.0217	
634		21.8484	29.8251	2.7859	15.0000	1.7513	1.7911	0.0000	-1.6279	.0206	
635		.0315	29.7500	2.7804	15.0000	1.7228	1.7619	0.0000	-1.7190	.0212	
636		-.0030	0.0000	.9822	15.0000	0.0000	0.0000	0.0000	.0183	.0212	

TEST		995		RUN 39								
POINT		ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
620		-.0115	.2390	.0537	-.0761	.2390	.0357	-.0761	.2390	.0461	-.0761	1.0000
621		.0165	.8154	-1.5256	-.5830	.8150	.1280	-.3940	.8155	-1.6320	-.5925	1.0000
622		-1.8465	.6276	-1.5664	-.6136	.6822	.1062	-.4223	.6255	-1.6528	-.6208	1.0000
623		.0399	.8195	-1.5342	-.5823	.8183	.1229	-.3928	.8196	-1.6371	-.5914	1.0000
624		1.9551	1.0565	-1.5640	-.5888	.9966	.1682	-.3909	1.0566	-1.5907	-.5895	1.0000
625		3.9139	1.2587	-1.5381	-.5617	1.1383	.2011	-.3627	1.2584	-1.5548	-.5612	1.0000
626		5.9183	1.4682	-1.5003	-.5319	1.2852	.2441	-.3316	1.4666	-1.5065	-.5302	1.0000
627		7.9202	1.6790	-1.4308	-.4967	1.4342	.3077	-.2963	1.6767	-1.4355	-.4948	1.0000
628		10.0188	1.8916	-1.3605	-.4781	1.5808	.3765	-.2766	1.8870	-1.3567	-.4751	1.0000
629		12.0709	2.1063	-1.2799	-.4658	1.7281	.4655	-.2610	2.0962	-1.2556	-.4595	1.0000
630		14.1750	2.2916	-1.1496	-.4309	1.8534	.5632	-.2290	2.2844	-1.1432	-.4276	1.0000
631		16.1802	2.5122	-1.0300	-.4243	2.0094	.6809	-.2207	2.4998	-1.0094	-.4193	1.0000
632		18.2147	2.7646	-.8971	-.4424	2.1907	.8249	-.2352	2.7408	-.8469	-.4338	1.0000
633		20.1922	2.9677	-.7267	-.4175	2.3397	.9594	-.2122	2.9472	-.6925	-.4107	1.0000
634		21.8484	3.0339	-.5576	-.3757	2.3821	1.0473	-.1781	3.0371	-.5863	-.3766	1.0000
635		.0315	.8395	-1.5756	-.6065	.8385	.1260	-.4122	.8395	-1.6346	-.6107	1.0000
636		-.0030	.2594	-.0017	-.0738	.2594	-.0412	-.0738	.2594	-.0229	-.0738	1.0000

REPRODUCIBILITY OF THE
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NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
645	.166	1939	-1.00	-1.00	101070	.0756	.0720	-.0412	-.0007	-.0005	.0088
646	.166	1939	-1.87	-1.00	101070	-.0587	.0857	-.0706	-.0009	.0001	-.0012
647	.166	1955	.02	.00	101060	.0762	.0722	-.0410	-.0007	-.0009	.0041
648	.166	1959	1.93	-1.00	101056	.2238	.0580	-.0151	-.0006	-.0002	.0081
649	.166	1949	3.89	-1.00	101067	.3839	.0397	.0086	-.0022	-.0000	.0102
650	.166	1959	5.89	-1.00	101053	.5415	.0166	.0381	-.0019	-.0003	.0082
651	.166	1945	7.90	-1.00	101063	.6840	-.0171	.0699	-.0012	.0004	.0081
652	.166	1949	9.98	.00	101060	.8026	-.0343	.1064	-.0019	.0002	.0030
653	.168	1995	12.08	.00	101060	.8934	-.0644	.1470	-.0035	-.0020	-.0133
654	.166	1939	14.16	.00	101063	1.0377	-.0985	.2104	-.0042	-.0011	.0072
655	.167	1978	16.15	.00	101060	1.1281	-.1237	.2483	-.0052	-.0004	.0039
656	.167	2011	18.18	.00	101037	1.2312	-.1493	.2991	-.0018	-.0012	.0046
657	.167	1926	20.11	.00	101083	1.3806	-.1454	.3508	-.0013	-.0008	.0064
658	.166	1939	21.90	-1.00	101073	1.4821	-.1226	.3874	-.0011	.0011	.0144
659	.166	1952	.03	-1.00	101067	.0763	.0800	-.0389	.0005	.0003	.0132

TEST 995										
RUN 40										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
645	-.0002	0.0000	.9805	3.6197	0.0000	0.0000	0.0000	.0195	.0077	
646	-1.8653	0.0000	.9829	3.6235	0.0000	0.0000	0.0000	.0171	.0077	
647	.0161	0.0000	.9832	3.6240	0.0000	0.0000	0.0000	.0166	.0076	
648	1.9327	0.0000	.9834	3.6243	0.0000	0.0000	0.0000	.0164	.0077	
649	3.8939	0.0000	.9835	3.6243	0.0000	0.0000	0.0000	.0164	.0075	
650	5.8867	0.0000	.9857	3.6279	0.0000	0.0000	0.0000	.0140	.0075	
651	7.8983	0.0000	.9847	3.6263	0.0000	0.0000	0.0000	.0151	.0075	
652	9.9769	0.0000	.9854	3.6274	0.0000	0.0000	0.0000	.0143	.0075	
653	12.0807	0.0000	.9863	3.6288	0.0000	0.0000	0.0000	.0130	.0076	
654	14.1611	0.0000	.9853	3.6288	0.0000	0.0000	0.0000	.0132	.0075	
655	16.1481	0.0000	.9862	3.6286	0.0000	0.0000	0.0000	.0130	.0076	
656	18.1842	0.0000	.9863	3.6288	0.0000	0.0000	0.0000	.0125	.0073	
657	20.1095	0.0000	.9853	3.6272	0.0000	0.0000	0.0000	.0139	.0071	
658	21.9032	0.0000	.9824	3.6227	0.0000	0.0000	0.0000	.0163	.0066	
659	.0255	0.0000	.9884	3.6320	0.0000	0.0000	0.0000	.0115	.0076	

TEST 995											
RUN 40											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
645	-.0002	.0756	.0720	-.0412	.0756	.0449	-.0412	.0756	.0644	-.0412	1.0000
646	-1.8653	-.0559	.0875	-.0706	-.0559	.0627	-.0706	-.0559	.0798	-.0706	1.0000
647	.0161	.0762	.0722	-.0410	.0762	.0479	-.0410	.0762	.0645	-.0410	1.0000
648	1.9327	.2218	.0655	-.0151	.2218	.0415	-.0151	.2218	.0578	-.0151	1.0000
649	3.8939	.3803	.0657	.0086	.3803	.0417	.0086	.3803	.0581	.0086	1.0000
650	5.8867	.5370	.0720	.0381	.5370	.0505	.0381	.5370	.0645	.0381	1.0000
651	7.8983	.6798	.0771	.0699	.6798	.0545	.0699	.6798	.0695	.0699	1.0000
652	9.9769	.7964	.1052	.1064	.7964	.0835	.1064	.7964	.0978	.1064	1.0000
653	12.0807	.8871	.1240	.1470	.8871	.1034	.1470	.8871	.1164	.1470	1.0000
654	14.1611	1.0303	.1584	.2104	1.0303	.1376	.2104	1.0303	.1509	.2104	1.0000
655	16.1481	1.1180	.1949	.2483	1.1180	.1743	.2483	1.1180	.1873	.2483	1.0000
656	18.1842	1.2163	.2424	.2991	1.2163	.2226	.2991	1.2163	.2351	.2991	1.0000
657	20.1095	1.3464	.3382	.3508	1.3464	.3172	.3508	1.3464	.3311	.3508	1.0000
658	21.9032	1.4208	.4391	.3874	1.4208	.4162	.3874	1.4208	.4325	.3874	1.0000
659	.0255	.0763	.0800	-.0389	.0763	.0609	-.0389	.0763	.0724	-.0389	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST 995

RUN 41

POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
661	.166	1949	.01	-.00	101063	.0765	.0792	-.0391	-.0002	.0004	.0124
662	.167	1975	.02	.00	101030	.2756	-1.7106	-.2395	-.0069	-.0074	.0108
663	.167	1972	-1.84	.00	101057	.1334	-1.7098	-.2707	-.0059	-.0068	.0006
664	.166	1955	.05	.00	101077	.2841	-1.7367	-.2423	-.0051	-.0075	.0091
665	.166	1945	1.94	.00	101087	.4436	-1.7616	-.2198	-.0059	-.0069	.0066
666	.166	1952	3.91	.00	101080	.6110	-1.7738	-.1994	-.0062	-.0067	.0082
667	.167	1972	5.91	.00	101060	.7813	-1.7798	-.1729	-.0055	-.0065	.0060
668	.166	1945	7.89	.00	101083	.9367	-1.8276	-.1436	-.0056	-.0060	.0051
669	.166	1949	10.02	.00	101083	1.0821	-1.8526	-.1142	-.0050	-.0061	.0040
670	.167	1968	12.10	.00	101084	1.2408	-1.8667	-.0733	-.0064	-.0068	.0062
671	.168	2008	14.19	.00	101074	1.3461	-1.8648	-.0364	-.0076	-.0067	.0034
672	.165	1926	16.17	.00	101114	1.5353	-1.9762	-.0026	-.0065	-.0055	.0007
673	.166	1955	18.19	.00	101087	1.6588	-1.9756	.0462	-.0063	-.0073	.0032
674	.167	1962	20.17	.00	101080	1.8116	-.0636	-.0030	-.0062	-.0050	.0050
675	.167	1972	21.53	.00	101070	1.9311	-1.9346	.0677	-.0046	-.0060	.0079
676	.166	1959	.03	.00	101070	.2891	-1.7487	-.2478	-.0057	-.0077	.0071
677	.165	1926	.01	.00	101117	.0835	.0414	-.0412	-.0007	-.0023	-.0065

TEST 995

RUN 41

POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
661	.0115	0.0000	.9888	3.6326	0.0000	0.0000	0.0000	.0112	.0077
662	.0234	30.5296	2.8344	6.4933	1.8063	1.8473	0.0000	-1.7979	.0311
663	-1.8394	30.4511	2.8354	6.4949	1.8142	1.8554	0.0000	-1.8015	.0312
664	.0493	30.4476	2.8358	6.4955	1.8310	1.8726	0.0000	-1.8184	.0313
665	1.9433	30.4560	2.8447	6.5093	1.8446	1.8865	0.0000	-1.8356	.0314
666	3.9118	30.4269	2.8435	6.5075	1.8383	1.8801	0.0000	-1.8250	.0311
667	5.9103	30.4126	2.8448	6.5094	1.8205	1.8619	0.0000	-1.8021	.0307
668	7.8947	30.4101	2.8420	6.5052	1.8449	1.8868	0.0000	-1.8166	.0307
669	10.0187	30.4192	2.8458	6.5110	1.8444	1.8863	0.0000	-1.8066	.0299
670	12.1037	30.4262	2.8494	6.5166	1.8279	1.8695	0.0000	-1.7793	.0286
671	14.1886	30.4165	2.8508	6.5187	1.7940	1.8347	0.0000	-1.7305	.0267
672	16.1651	30.4295	2.8505	6.5182	1.8722	1.9148	0.0000	-1.7883	.0268
673	18.1949	30.4327	2.8568	6.5281	1.8469	1.8889	0.0000	-1.7474	.0264
674	20.1731	30.4295	2.8554	6.5259	1.8395	1.8813	0.0000	-1.7193	.0275
675	21.5298	30.3634	2.8503	6.5180	1.8262	1.8677	0.0000	-1.6905	.0286
676	.0332	30.4713	2.8614	6.5352	1.8500	1.8920	0.0000	-1.8405	.0314
677	.0121	0.0000	.9774	3.6149	0.0000	0.0000	0.0000	.0228	.0076

TEST 995

RUN 41

POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
661	.0115	.0764	.0793	-.0391	.0764	.0684	-.0391	.0764	.0716	-.0391	1.0000
662	.0234	.2763	-1.7105	-.2395	.2756	.0647	-.0357	.2763	-1.6953	-.2342	1.8000
663	-1.8394	.0784	-1.7132	-.2707	.1367	.0688	-.0660	.0802	-1.6903	-.2646	1.8000
664	.0493	.2856	-1.7364	-.2423	.2840	.0633	-.0358	.2855	-1.6967	-.2343	1.8000
665	1.9433	.5031	-1.7455	-.2198	.4406	.0666	-.0117	.5002	-1.6924	-.2102	1.8000
666	3.9118	.7306	-1.7280	-.1994	.6052	.0750	.0080	.7252	-1.6809	-.1906	1.8000
667	5.9103	.9604	-1.6899	-.1729	.7730	.0902	.0325	.9542	-1.6604	-.1660	1.8000
668	7.8947	1.1789	-1.6816	-.1436	.9255	.1150	.0645	1.1672	-1.6283	-.1341	1.8000
669	10.0187	1.3879	-1.6361	-.1142	1.0670	.1502	.0939	1.3732	-1.5830	-.1047	1.8000
670	12.1037	1.6046	-1.5650	-.0733	1.2213	.1937	.1329	1.5904	-1.5272	-.0656	1.8000
671	14.1886	1.7622	-1.4779	-.0364	1.3224	.2346	.1659	1.7538	-1.4710	-.0326	1.8000
672	16.1651	2.0248	-1.4706	-.0026	1.5835	.3088	.2086	1.9935	-1.3896	.0101	1.8000
673	18.1949	2.1927	-1.3588	-.0462	1.6160	.3694	.2546	2.1656	-1.3026	.0560	1.8000
674	20.1731	2.3753	-1.2123	-.0636	1.7410	.4868	.2711	2.3479	-1.1652	.0725	1.8000
675	21.5298	2.5084	-1.0910	.0677	1.8362	.5793	.2738	2.4820	-1.0579	.0752	1.8000
676	.0332	.2901	-1.7486	-.2478	.2891	.0700	-.0391	.2901	-1.6900	-.2377	1.8000
677	.0121	.0835	.0414	-.0412	.0835	.0110	-.0412	.0835	.0338	-.0412	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		42					
POINT	HACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
683	.167	1959	.01	-.00	100870	.1804	.0613	-.0392	.0039	.0008	.0532
684	.166	1955	-1.86	-.00	100880	.0347	.0711	-.0679	.0042	.0015	.0420
685	.167	1962	-.00	-.00	100874	.1811	.0618	-.0406	.0039	.0008	.0530
686	.167	1964	1.95	-.00	100870	.3311	.0482	-.0142	.0031	.0008	.0513
687	.166	1955	3.89	-.00	100887	.4691	.0361	.0208	.0037	.0012	.0487
688	.167	1965	5.89	-.00	100877	.6120	.0179	.0532	.0032	.0015	.0525
689	.166	1955	7.92	-.00	100887	.7348	-.0038	.0855	.0029	.0012	.0425
690	.166	1942	10.00	-.00	100901	.8618	-.0288	.1322	.0022	.0006	.0446
691	.166	1952	12.09	-.00	100894	.9751	-.0554	.1786	.0030	.0009	.0483
692	.167	1968	14.18	-.00	100877	1.1056	-.0671	.2247	.0036	.0003	.0480
693	.167	1962	16.17	-.00	100887	1.2216	-.0684	.2687	.0024	.0002	.0458
694	.166	1949	18.18	-.00	100901	1.3277	-.0635	.3157	.0026	.0007	.0447
695	.167	1962	20.16	-.00	100887	1.4659	-.0406	.3363	.0034	.0005	.0580
696	.184	1906	21.54	-.00	100944	1.5863	-.0301	.3446	.0044	.0019	.0480
697	.169	2025	.03	-.00	100817	.1788	.0643	-.0402	.0043	.0009	.0501

TEST		995			RUN		42			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
683	.0143	.2238	.9800	3.6189	0.0000	0.0000	0.0000	.0198	.0076	
684	-1.8609	.2328	.9812	3.6209	0.0000	0.0000	0.0000	.0185	.0076	
685	-.0042	.2237	.9814	3.6211	0.0000	0.0000	0.0000	.0184	.0077	
686	1.9505	.2251	.9810	3.6205	0.0000	0.0000	0.0000	.0137	.0077	
687	3.8875	.2251	.9809	3.6204	0.0000	0.0000	0.0000	.0189	.0077	
688	5.8950	.2178	.9809	3.6204	0.0000	0.0000	0.0000	.0187	.0075	
689	7.9174	.2131	.9809	3.6204	0.0000	0.0000	0.0000	.0187	.0075	
690	9.9990	.2069	.9814	3.6211	0.0000	0.0000	0.0000	.0183	.0075	
691	12.0868	.2225	.9811	3.6207	0.0000	0.0000	0.0000	.0183	.0078	
692	14.1839	.2270	.9809	3.6204	0.0000	0.0000	0.0000	.0182	.0079	
693	16.1719	.2179	.9812	3.6209	0.0000	0.0000	0.0000	.0178	.0077	
694	18.1800	.2212	.9781	3.6161	0.0000	0.0000	0.0000	.0206	.0069	
695	20.1557	.2166	.9706	3.6045	0.0000	0.0000	0.0000	.0272	.0081	
696	21.5363	.2212	.9695	3.6027	0.0000	0.0000	0.0000	.0288	.0089	
697	.0307	.2212	.9812	3.6209	0.0000	0.0000	0.0000	.0179	.0079	

TEST		995		RUN		42					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
683	.0143	.1804	.0614	-.0392	.1804	.0341	-.0392	.1804	.0538	-.0392	1.0000
684	-1.8609	.0370	.0699	-.0679	.0370	.0437	-.0679	.0370	.0623	-.0679	1.0000
685	-.0042	.1811	.0618	-.0406	.1811	.0357	-.0406	.1811	.0541	-.0406	1.0000
686	1.9505	.3292	.0594	-.0142	.3292	.0331	-.0142	.3292	.0517	-.0142	1.0000
687	3.8875	.4656	.0678	.0208	.4656	.0413	.0208	.4656	.0601	.0208	1.0000
688	5.8950	.6069	.0806	.0532	.6069	.0544	.0532	.6069	.0731	.0532	1.0000
689	7.9174	.7283	.0974	.0855	.7283	.0712	.0855	.7283	.0899	.0855	1.0000
690	9.9990	.8537	.1212	.1322	.8537	.0954	.1322	.8537	.1137	.1322	1.0000
691	12.0868	.9650	.1500	.1786	.9650	.1240	.1786	.9650	.1423	.1786	1.0000
692	14.1839	1.0884	.2058	.2247	1.0884	.1798	.2247	1.0884	.1980	.2247	1.0000
693	16.1719	1.1923	.2745	.2687	1.1923	.2491	.2687	1.1923	.2668	.2687	1.0000
694	18.1800	1.2812	.3539	.3157	1.2812	.3264	.3157	1.2812	.3470	.3157	1.0000
695	20.1557	1.3901	.4670	.3363	1.3901	.4318	.3363	1.3901	.4589	.3363	1.0000
696	21.5363	1.4866	.5543	.3446	1.4866	.5166	.3446	1.4866	.5454	.3446	1.0000
697	.0307	.1787	.0644	-.0402	.1787	.0385	-.0402	.1787	.0565	-.0402	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		43		RUN		43		RUN		43	
POINT	HACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P,INF N/(HXH)	CAF	CPH	CRM,B	CYM,B	CSF					
698	.166	1942	.01	-.00	100894	.1880	.0645	-.0376	.0044	.0009	.0501				
699	.167	1959	.02	-.00	100863	.3560	-1.6412	-.2111	-.0001	-.0057	.0554				
700	.167	1972	-1.85	-.00	100850	.1893	-1.6237	-.2377	-.0004	-.0052	.0451				
701	.179	2249	.05	-.00	100569	.3307	-1.4298	-.1919	-.0006	-.0049	.0503				
702	.176	2176	1.99	-.00	100639	.5000	-1.4921	-.1737	-.0006	-.0053	.0502				
703	.168	1985	3.92	-.00	100833	.6577	-1.6436	-.1540	.0031	-.0032	.0528				
704	.164	1899	5.90	-.00	100917	.8188	-1.7352	-.1308	.0011	-.0030	.0530				
705	.165	1932	7.96	-.00	100877	.9596	-1.7273	-.0950	.0005	-.0026	.0524				
706	.166	1939	9.98	-.00	100863	1.1060	-1.7428	-.0628	.0001	-.0032	.0525				
707	.164	1909	12.10	-.00	100887	1.2621	-1.7951	-.0239	.0007	-.0036	.0512				
708	.167	1962	14.18	-.00	100901	1.3734	-1.7559	.0136	.0013	-.0040	.0516				
709	.167	1965	16.17	-.00	100823	1.5744	-1.7527	.0402	.0005	-.0031	.0462				
710	.165	1912	18.21	-.00	100876	1.7119	-1.7950	.0596	.0010	-.0031	.0558				
711	.167	1959	20.16	-.00	100830	1.8607	-1.7445	.0813	.0022	-.0024	.0500				
712	.164	1906	21.69	-.00	100890	2.0133	-1.7877	.0791	.0031	-.0021	.0536				
713	.167	1975	.03	-.00	100809	.3505	-1.6264	-.2111	.0007	-.0043	.0529				
715	.166	1955	.00	-.00	100840	.1795	.0613	-.0385	.0044	.0019	.0557				

TEST		995		RUN		43		RUN		43		RUN		43	
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C						
698	.0102	.2212	.9815	3.6213	0.0000	0.0000	0.0000	.0184	.0079						
699	.0185	29.4421	2.7285	6.3292	1.7334	1.7728	0.0000	-1.7057	.0321						
700	-1.8503	29.4109	2.7235	6.3215	1.7213	1.7604	0.0000	-1.6883	.0320						
701	.0497	29.4081	2.7368	6.3420	1.5139	1.5483	0.0000	-1.4882	.0286						
702	1.9854	29.3745	2.7370	6.3424	1.5636	1.5991	0.0000	-1.5382	.0294						
703	3.9248	29.2909	2.7294	6.3306	1.7074	1.7462	0.0000	-1.6794	.0317						
704	5.9011	29.2575	2.7296	6.3309	1.7834	1.8240	0.0000	-1.7518	.0320						
705	7.9627	29.2543	2.7308	6.3328	1.7546	1.7945	0.0000	-1.7148	.0313						
706	9.9831	29.2072	2.7283	6.3288	1.7450	1.7846	0.0000	-1.6968	.0303						
707	12.0995	29.2166	2.7296	6.3309	1.7771	1.8175	0.0000	-1.7125	.0297						
708	14.1823	29.2216	2.7308	6.3327	1.7301	1.7694	0.0000	-1.6537	.0278						
709	16.1688	29.2081	2.7299	6.3314	1.7267	1.7660	0.0000	-1.6334	.0276						
710	18.2076	29.2169	2.7294	6.3305	1.7765	1.8169	0.0000	-1.6605	.0286						
711	20.1581	29.1937	2.7302	6.3318	1.7343	1.7737	0.0000	-1.6022	.0293						
712	21.5967	29.2832	2.7316	6.3340	1.7889	1.8296	0.0000	-1.6333	.0315						
713	.0252	29.1882	2.7292	6.3303	1.7211	1.7602	0.0000	-1.6912	.0314						
715	.0027	.1716	.9714	3.6057	0.0000	0.0000	0.0000	.0282	.0078						

TEST		995		RUN		43		RUN		43		RUN		43	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM				
698	.0102	.1880	.0645	-.0376	.1880	.0382	-.0376	.1880	.0566	-.0376	1.0000				
699	.0185	.3566	-1.6411	-.2111	.3560	.0602	-.0155	.3566	-1.6998	-.2141	1.0000				
700	-1.8503	.1367	-1.6289	-.2377	.1923	.0595	-.0435	.1355	-1.6996	-.2420	1.0000				
701	.0497	.3319	-1.4295	-.1919	.3306	.0558	-.0211	.3321	-1.7042	-.2197	1.0000				
702	1.9854	.5514	-1.4739	-.1737	.4972	.0594	.0027	.5582	-1.6995	-.1958	1.0000				
703	3.9248	.7687	-1.5947	-.1540	.6518	.0770	.0386	.7723	-1.6789	-.1599	1.0000				
704	5.9011	.9929	-1.6413	-.1308	.8095	.1002	.0704	.9905	-1.6505	-.1282	1.0000				
705	7.9627	1.1897	-1.5777	-.0950	.9466	.1287	.1029	1.1904	-1.6143	-.0956	1.0000				
706	9.9831	1.3914	-1.5247	-.0628	1.0889	.1635	.1340	1.3940	-1.5698	-.0645	1.0000				
707	12.0995	1.6104	-1.4906	-.0239	1.2379	.2173	.1766	1.6068	-1.5036	-.0220	1.0000				
708	14.1823	1.7617	-1.3659	.0136	1.3378	.2837	.2088	1.7690	-1.4227	.0103	1.0000				
709	16.1688	2.0002	-1.2450	.0402	1.5194	.3858	.2350	2.0095	-1.3046	.0365	1.0000				
710	18.2076	2.1871	-1.1702	.0596	1.6320	.4887	.2600	2.1819	-1.1831	.0615	1.0000				
711	20.1581	2.3479	-.9964	.0813	1.7502	.6023	.2770	2.3567	-1.0499	.0784	1.0000				
712	21.5967	2.5300	-.9212	.0791	1.8716	.7107	.2809	2.5194	-.9257	.0823	1.0000				
713	.0252	.3512	-1.6262	-.2111	.3504	.0635	-.0169	.3512	-1.6965	-.2155	1.0000				
715	.0027	.1795	.0613	-.0385	.1795	.0252	-.0385	.1795	.0535	-.0385	1.0000				

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TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 44								
POINT	MACH	Q N/(HXM)	ALPHA DEG	BETA DEG	P,INF N/(HXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
718	.166	1952	.02	.00	100874	.1493	.0530	-.0482	-.0013	-.0002	.0068
719	.161	1843	.05	-.00	100954	.1400	.0555	-.0443	-.0012	-.0004	.0084
720	.166	1939	.07	-.00	100853	.3320	-1.7344	-.2360	-.0018	.0021	.0153
721	.166	1939	-1.05	-.00	100836	.1673	-1.7285	-.2632	-.0019	.0024	.0052
722	.167	1978	.08	-.00	100857	.3273	-1.6918	-.2339	-.0015	.0021	.0137
723	.167	1962	1.95	-.00	100874	.4916	-1.7170	-.2110	-.0013	.0022	.0142
724	.167	1978	3.92	-.00	100850	.6398	-1.7137	-.1790	-.0011	.0029	.0113
725	.167	1965	5.92	-.00	100864	.7871	-1.7394	-.1484	-.0008	.0034	.0096
726	.166	1942	7.96	-.00	100890	.9294	-1.7812	-.1188	-.0017	.0037	.0089
727	.164	1899	10.00	-.00	100934	1.0811	-1.8430	-.0896	-.0020	.0028	.0128
728	.166	1935	12.06	-.00	100900	1.2313	-1.8358	-.0452	-.0009	.0025	.0127
729	.166	1935	14.20	-.00	100904	1.3890	-1.8464	-.0085	-.0007	.0022	.0140
730	.164	1892	16.15	.00	100951	1.5546	-1.8816	.0080	-.0018	.0019	-.0017
731	.164	1906	18.21	-.00	100941	1.6819	-1.8654	.0326	-.0009	.0036	.0108
732	.167	1959	20.15	-.00	100891	1.8320	-1.8071	.0540	.0002	.0041	.0152
733	.166	1952	21.51	-.00	100901	1.9834	-1.8088	.0573	.0014	.0046	.0128
734	.167	1978	.04	-.00	100870	.3228	-1.6873	-.2342	-.0021	.0017	.0116
735	.166	1955	.02	-.00	100874	.1326	.0355	-.0496	-.0003	-.0002	.0076
736	.015	17	.01	.00	102866	.8163	-1.2784	-.2205	.0232	-.0431	.5777

TEST 995										RUN 44	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C		
718	.0163	0.0000	.9816	3.6214	0.0000	0.0000	0.0000	.0182	.0081		
719	.0526	0.0000	.9880	3.6314	0.0000	0.0000	0.0000	.0126	.0080		
720	.0691	29.7991	2.7893	6.4235	1.7766	1.8170	0.0000	-1.7836	.0298		
721	-1.8497	29.7764	2.7933	6.4297	1.7795	1.8199	0.0000	-1.7864	.0298		
722	.0782	29.6085	2.7887	6.4224	1.7424	1.7820	0.0000	-1.7473	.0289		
723	1.9517	29.5780	2.7891	6.4232	1.7572	1.7971	0.0000	-1.7617	.0290		
724	3.9216	29.6345	2.7921	6.4278	1.7454	1.7850	0.0000	-1.7464	.0288		
725	5.9151	29.5945	2.7880	6.4214	1.7541	1.7940	0.0000	-1.7491	.0289		
726	7.9623	29.5653	2.7892	6.4232	1.7731	1.8134	0.0000	-1.7639	.0288		
727	10.0017	29.6276	2.7905	6.4252	1.8185	1.8599	0.0000	-1.7957	.0284		
728	12.0626	29.5831	2.7873	6.4204	1.7823	1.8228	0.0000	-1.7460	.0269		
729	14.2020	29.6061	2.7912	6.4264	1.7849	1.8255	0.0000	-1.7347	.0260		
730	16.1532	29.5717	2.7868	6.4195	1.8221	1.8636	0.0000	-1.7542	.0263		
731	18.2120	29.5527	2.7874	6.4205	1.8072	1.8483	0.0000	-1.7233	.0266		
732	20.1472	29.5473	2.7872	6.4202	1.7594	1.7994	0.0000	-1.6562	.0276		
733	21.5058	29.5405	2.7872	6.4201	1.7655	1.8056	0.0000	-1.6470	.0290		
734	.0408	29.5219	2.7867	6.4194	1.7411	1.7806	0.0000	-1.7456	.0288		
735	.0175	0.0000	.9811	3.6208	0.0000	0.0000	0.0000	.0186	.0074		
736	.0072	0.0000	1.0036	3.6556	0.0000	0.0000	0.0000	-.4260	-.0331		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 44								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
718	.0163	.1492	.0531	-.0482	.1492	.0267	-.0482	.1492	.0450	-.0482	1.0000
719	.0526	.1399	.0557	-.0443	.1399	.0351	-.0443	.1399	.0476	-.0443	1.0000
720	.0691	.3341	-1.7340	-.2360	.3319	.0128	-.0356	.3341	-1.7472	-.2341	1.8000
721	-1.8497	.1114	-1.7330	-.2632	.1689	.0157	-.0625	.1121	-1.7434	-.2610	1.8000
722	.0782	.3296	-1.6914	-.2339	.3272	.0221	-.0374	.3296	-1.7379	-.2359	1.8000
723	1.9517	.5498	-1.6993	-.2110	.4899	.0278	-.0127	.5499	-1.7311	-.2113	1.8000
724	3.9216	.7555	-1.6659	-.1790	.6362	.0466	.0179	.7565	-1.7092	-.1806	1.8000
725	5.9151	.9621	-1.6490	-.1484	.7814	.0669	.0495	.9627	-1.6837	-.1491	1.8000
726	7.9623	1.1672	-1.6353	-.1188	.9216	.0920	.0813	1.1654	-1.6510	-.1173	1.8000
727	10.0017	1.3848	-1.6273	-.0896	1.0689	.1353	.1155	1.3746	-1.5980	-.0880	1.8000
728	12.0626	1.5878	-1.5380	-.0452	1.2153	.1781	.1559	1.5831	-1.5438	-.0427	1.8000
729	14.2020	1.7996	-1.4492	-.0085	1.3617	.2552	.1929	1.7935	-1.4510	-.0056	1.8000
730	16.1532	2.0167	-1.3748	.0080	1.5098	.3491	.2136	1.9994	-1.3414	.0150	1.8000
731	18.2120	2.1806	-1.2463	.0326	1.6158	.4438	.2365	2.1659	-1.2281	.0379	1.8000
732	20.1472	2.3423	-1.0655	.0540	1.7363	.5586	.2524	2.3425	-1.0937	.0539	1.8000
733	21.5058	2.5085	-.9558	.0573	1.8612	.6578	.2565	2.5064	-.9796	.0579	1.8000
734	.0408	.3240	-1.6871	-.2342	.3228	.0251	-.0378	.3240	-1.7349	-.2363	1.8000
735	.0175	.1326	.0355	-.0496	.1326	.0094	-.0496	.1326	.0281	-.0496	1.0000
736	.0072	.8165	-1.2783	-.2205	.8165	-.8191	-.2205	.8165	-1.2452	-.2205	1.0000

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	45				
POINT	MACH	Q N/(MKM)	ALPHA DEG	BETA DEG	P,INF N/(MKM)	CNF	CAF	CPH	CRM,B	CYN,B	CSF
747	.166	1952	.01	-.00	101150	.4270	.0700	-.1425	-.0022	-.0001	.0010
748	.166	1952	-1.83	.00	101155	.2827	.0827	-.1684	-.0016	-.0004	.0042
749	.166	1952	.04	.00	101155	.4328	.0725	-.1424	-.0015	-.0006	.0006
750	.166	1952	1.95	-.00	101172	.5665	.0608	-.1095	-.0017	.0002	.0039
751	.168	1988	3.89	-.00	101128	.6956	.0486	-.0728	-.0009	.0005	.0045
752	.167	1972	5.90	-.00	101145	.8134	.0278	-.0310	-.0026	.0001	.0083
753	.167	1975	7.92	-.00	101152	.9298	.0058	.0071	-.0008	-.0001	.0082
754	.166	1962	9.98	-.00	101148	1.0317	-.0224	.0582	.0004	-.0007	.0106
755	.167	1965	12.06	-.00	101145	1.1413	-.0442	.1108	-.0014	-.0012	.0095
756	.166	1959	14.16	-.00	101158	1.2562	-.0465	.1579	-.0014	-.0013	.0054
757	.169	2021	.16	-.00	101152	1.3060	-.0388	.2016	-.0030	-.0008	.0030
758	.167	1968	.12	-.00	101155	1.4371	-.0254	.2502	-.0020	.0002	.0088
759	.166	1945	20.14	-.00	101161	1.5701	.0050	.2711	-.0008	.0014	-.0321
760	.165	1939	21.89	-.00	101182	1.6975	.0060	.2958	-.0022	.0012	.0007
761	.166	1955	.03	-.00	101158	.4285	.0740	-.1422	-.0007	-.0014	.0206

TEST	995				RUN	45			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA.T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
747	.0116	0.0000	.9765	20.4000	0.0000	0.0000	0.0000	.0234	.01
748	-1.8267	0.0000	.9800	20.4000	0.0000	0.0000	0.0000	.0198	.00
749	.0397	0.0000	.9790	20.4000	0.0000	0.0000	0.0000	.0209	.00
750	1.9528	0.0000	.9793	20.4000	0.0000	0.0000	0.0000	.0206	.00
751	3.8938	0.0000	.9793	20.4000	0.0000	0.0000	0.0000	.0201	.00
752	5.8986	0.0000	.9805	20.4000	0.0000	0.0000	0.0000	.0191	.00
753	7.9187	0.0000	.9805	20.4000	0.0000	0.0000	0.0000	.0190	.00
754	9.9838	0.0000	.9816	20.4000	0.0000	0.0000	0.0000	.0179	.00
755	12.0569	0.0000	.9829	20.4000	0.0000	0.0000	0.0000	.0165	.00
756	14.1601	0.0000	.9832	20.4000	0.0000	0.0000	0.0000	.0161	.00
757	16.1567	0.0000	.9820	20.4000	0.0000	0.0000	0.0000	.0166	.00
758	18.1223	0.0000	.9791	20.4000	0.0000	0.0000	0.0000	.0195	.00
759	20.1400	0.0000	.9733	20.4000	0.0000	0.0000	0.0000	.0250	.00
760	21.8860	0.0000	.9717	20.4000	0.0000	0.0000	0.0000	.0263	.00
761	.0279	0.0000	.9847	20.4000	0.0000	0.0000	0.0000	.0151	.00

TEST	995				45				RUN			
	POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
747		.0116	.4270	.0709	-.1425	.4270	.0394	-.1425	.4270	.0628	-.1425	1.0000
748		-1.0267	.2852	.0737	-.1604	.2852	.0457	-.1604	.2852	.0655	-.1604	1.0000
749		.0397	.4328	.0728	-.1424	.4328	.0439	-.1424	.4328	.0647	-.1424	1.0000
750		1.9528	.5641	.0800	-.1095	.5641	.0515	-.1095	.5641	.0721	-.1095	1.0000
751		3.8938	.6907	.0957	-.0728	.6907	.0679	-.0728	.6907	.0880	-.0728	1.0000
752		5.8986	.8062	.1113	-.0310	.8062	.0846	-.0310	.8062	.1037	-.0310	1.0000
753		7.9187	.9202	.1339	.0071	.9202	.1076	.0071	.9202	.1265	.0071	1.0000
754		9.9838	1.0200	.1569	.0582	1.0200	.1317	.0582	1.0200	.1496	.0582	1.0000
755		12.0569	1.1254	.1952	.1108	1.1254	.1717	.1108	1.1254	.1802	.1108	1.0000
756		14.1601	1.2294	.2622	.1579	1.2294	.2391	.1579	1.2294	.2552	.1579	1.0000
757		16.1567	1.2652	.3261	.2016	1.2652	.3030	.2016	1.2652	.3196	.2016	1.0000
758		18.1223	1.3737	.4229	.2502	1.3737	.3965	.2502	1.3737	.4160	.2502	1.0000
759		20.1400	1.4724	.5453	.2711	1.4724	.5113	.2711	1.4724	.5363	.2711	1.0000
760		21.8860	1.5722	.6402	.2988	1.5722	.6045	.2988	1.5722	.6308	.2988	1.0000
761		.0279	.4285	.0742	-.1422	.4285	.0512	-.1422	.4285	.0663	-.1422	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		46					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
762	.166	1949	.02	-.00	101161	.4319	.0726	-.1429	-.0013	-.0002	.0006
763	.170	2035	.09	-.00	101149	1.0790	-1.4811	-.5573	-.0013	.0033	.0036
764	.168	2005	-1.85	-.00	101152	.9309	-1.4924	-.5886	-.0016	.0037	.0083
765	.166	1962	.05	-.00	101155	1.1215	-1.5381	-.5776	-.0009	.0036	.0036
766	.168	1988	1.99	-.00	101155	1.2376	-1.5271	-.5401	-.0011	.0037	.0045
767	.168	1988	3.93	-.00	101125	1.3847	-1.5416	-.5097	-.0024	.0037	.0058
768	.168	1988	5.94	-.00	101155	1.5082	-1.5626	-.4711	-.0021	.0037	.0055
769	.166	1962	7.95	-.00	101165	1.6527	-1.6074	-.4397	-.0014	.0035	.0058
770	.167	1975	10.03	-.00	101162	1.7823	-1.6212	-.3954	.0011	.0030	.0018
771	.166	1962	12.12	-.00	101168	1.9295	-1.6528	-.3503	-.0024	.0018	.0056
772	.167	1978	14.22	-.00	101162	2.0358	-1.6309	-.3080	-.0012	.0029	.0036
773	.169	2031	16.21	-.00	101142	2.0843	-1.5784	-.2565	-.0019	.0039	.0000
774	.166	1959	18.20	-.00	101165	2.2217	-1.6208	-.2238	-.0015	.0054	-.0019
775	.168	2002	20.17	-.00	101128	2.3755	-1.5765	-.1937	.0026	.0060	-.0033
776	.167	1975	21.59	-.00	101148	2.4981	-1.5966	-.1753	.0018	.0067	-.0048
777	.168	2008	.06	-.00	101128	1.0966	-1.4944	-.5677	-.0012	.0034	.0025
778	.167	1965	.02	-.00	101168	.4341	.0566	-.1479	-.0009	.0002	.0085
779	.010	0	-.01	.00	103164	-.5307	-1.3455	-5.9923	1.7386	-1.2471	-.3497

TEST		995		RUN		46					
POINT	ALPHA DEG	HT FLOW N/SEC	MPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
762	.0188	0.0000	.9852	20.4000	0.0000	0.0000	0.0000	.0147	.0080		
763	.0865	28.6035	2.6625	20.4000	1.5897	1.6259	0.0000	-1.5638	.0132		
764	-1.8482	28.6124	2.6704	20.4000	1.6198	1.6566	0.0000	-1.6141	.0135		
765	.0544	28.6054	2.6713	20.4000	1.6570	1.6947	0.0000	-1.6511	.0137		
766	1.9898	28.5834	2.6739	20.4000	1.6345	1.6717	0.0000	-1.6308	.0134		
767	3.9286	28.5729	2.6705	20.4000	1.6358	1.6730	0.0000	-1.6241	.0132		
768	5.9414	28.5294	2.6680	20.4000	1.6329	1.6700	0.0000	-1.6173	.0129		
769	7.9544	28.5550	2.6732	20.4000	1.6590	1.6967	0.0000	-1.6373	.0127		
770	10.0257	28.5350	2.6731	20.4000	1.6472	1.6846	0.0000	-1.6169	.0126		
771	12.1232	28.5428	2.6720	20.4000	1.6607	1.6984	0.0000	-1.6152	.0130		
772	14.2156	28.5285	2.6680	20.4000	1.6451	1.6825	0.0000	-1.5843	.0146		
773	16.2146	28.5199	2.6710	20.4000	1.6032	1.6397	0.0000	-1.5309	.0173		
774	18.1950	28.5163	2.6698	20.4000	1.6629	1.7007	0.0000	-1.5700	.0216		
775	20.1689	28.5133	2.6695	20.4000	1.6271	1.6640	0.0000	-1.5172	.0241		
776	21.5893	28.5162	2.6684	20.4000	1.6498	1.6873	0.0000	-1.5223	.0259		
777	.0634	28.4764	2.6685	20.4000	1.6215	1.6584	0.0000	-1.6100	.0135		
778	.0189	0.0000	.9685	20.4000	0.0000	0.0000	0.0000	.0310	.0076		
779	-.0143	0.0000	.9956	22.3876	0.0000	0.0000	0.0000	.1811	0.0000		

TEST		995		RUN		46					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
762	.0188	.4318	.0727	-.1429	.4318	.0500	-.1429	.4318	.0647	-.1429	1.0000
763	.0865	1.0812	-1.4794	-.5573	1.0788	.0971	-.3780	1.0814	-1.6629	-.5765	1.0000
764	-1.8482	.8822	-1.5216	-.5886	.9345	.0838	-.4058	.8777	-1.6753	-.6044	1.0000
765	.0544	1.1230	-1.5370	-.5776	1.1214	.1063	-.3906	1.1231	-1.6537	-.5892	1.0000
766	1.9898	1.2899	-1.4832	-.5401	1.2331	.1369	-.3557	1.2942	-1.6220	-.5543	1.0000
767	3.9286	1.4870	-1.4431	-.5097	1.3750	.1757	-.3252	1.4955	-1.5802	-.5237	1.0000
768	5.9414	1.6619	-1.3981	-.4711	1.4928	.2132	-.2869	1.6750	-1.5374	-.4854	1.0000
769	7.9544	1.8592	-1.3632	-.4397	1.6296	.2671	-.2526	1.8732	-1.4760	-.4511	1.0000
770	10.0257	2.0374	-1.2862	-.3954	1.7506	.3232	-.2095	2.0570	-1.4099	-.4081	1.0000
771	12.1232	2.2335	-1.2107	-.3503	1.8848	.3999	-.1629	2.2544	-1.3208	-.3615	1.0000
772	14.2156	2.3739	-1.0810	-.3080	1.9699	.4991	-.1224	2.4021	-1.2070	-.3210	1.0000
773	16.2146	2.4421	-.9336	-.2565	1.9944	.5886	-.0756	2.4859	-1.1014	-.2742	1.0000
774	18.1950	2.6168	-.8461	-.2238	2.0975	.7121	-.0362	2.6471	-.9599	-.2347	1.0000
775	20.1689	2.7734	-.6608	-.1937	2.2124	.8423	-.0101	2.8192	-.8097	-.2087	1.0000
776	21.5893	2.9104	-.5654	-.1753	2.3033	.9428	.0109	2.9509	-.6938	-.1877	1.0000
777	.0634	1.0982	-1.4931	-.5677	1.0965	.1149	-.3848	1.0984	-1.6451	-.5833	1.0000
778	.0189	.4340	.0568	-.1479	.4340	.0181	-.1479	.4340	.0492	-.1479	1.0000
779	-.0143	-.5311	-1.3454	-5.9923	-.5311	-1.5265	-5.9923	-.5311	-1.3454	-5.9923	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MKM)	ALPHA DEG	BETA DEG	P,INF N/(MKM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
782	.167	1975	.02	-.00	101175	.3635	.0873	-.1346	-.0001	.0001	.0059
783	.167	1975	-1.87	-.00	101172	.2085	.1019	-.1558	-.0008	.0006	.0109
784	.167	1975	.04	-.00	101175	.3660	.0873	-.1321	-.0000	.0005	.0083
785	.167	1968	1.94	-.00	101182	.5222	.0719	-.1117	-.0019	.0002	.0084
786	.168	1992	3.91	-.00	101169	.6661	.0537	-.0808	-.0006	.0008	.0088
787	.167	1975	5.84	-.00	101175	.8019	.0303	-.0444	-.0009	.0006	.0098
788	.167	1975	7.91	-.00	101175	.9317	.0071	-.0054	-.0007	.0008	.0116
789	.167	1972	9.96	-.00	101179	1.0188	-.0251	.0452	-.0019	.0001	.0103
790	.170	2048	12.03	-.00	101193	1.0641	-.0544	.0925	-.0028	-.0006	.0096
791	.167	1965	14.17	-.00	101192	1.2077	-.0931	.1492	-.0027	-.0006	.0095
792	.167	1968	16.11	-.00	101189	1.3312	-.1196	.2070	-.0010	-.0004	.0108
793	.165	1939	18.14	-.00	101219	1.4414	-.1217	.2549	.0016	.0006	.0046
794	.165	1939	20.09	-.00	101219	1.5396	-.1025	.3020	-.0014	-.0000	.0068
795	.165	1922	21.48	-.00	101236	1.6123	-.0869	.3307	-.0015	.0010	.0063
796	.168	1988	.03	-.00	101169	.3622	.0898	-.1330	-.0001	.0000	.0070

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
782	.0170	0.0000	.9783	20.4000	0.0000	0.0000	0.0000	.0213	.0081		
783	-1.8671	0.0000	.9799	20.4000	0.0000	0.0000	0.0000	.0197	.0082		
784	.0381	0.0000	.9804	20.4000	0.0000	0.0000	0.0000	.0193	.0081		
785	1.9449	0.0000	.9807	20.4000	0.0000	0.0000	0.0000	.0190	.0080		
786	3.9076	0.0000	.9806	20.4000	0.0000	0.0000	0.0000	.0188	.0079		
787	5.8447	0.0000	.9813	20.4000	0.0000	0.0000	0.0000	.0183	.0076		
788	7.9075	0.0000	.9815	20.4000	0.0000	0.0000	0.0000	.0180	.0075		
789	9.9551	0.0000	.9822	20.4000	0.0000	0.0000	0.0000	.0172	.0073		
790	12.0251	0.0000	.9837	20.4000	0.0000	0.0000	0.0000	.0151	.0068		
791	14.1714	0.0000	.9838	20.4000	0.0000	0.0000	0.0000	.0155	.0069		
792	16.1081	0.0000	.9843	20.4000	0.0000	0.0000	0.0000	.0149	.0068		
793	18.1366	0.0000	.9835	20.4000	0.0000	0.0000	0.0000	.0157	.0067		
794	20.0855	0.0000	.9819	20.4000	0.0000	0.0000	0.0000	.0170	.0063		
795	21.4793	0.0000	.9796	20.4000	0.0000	0.0000	0.0000	.0192	.0066		
796	.0333	0.0000	.9840	20.4000	0.0000	0.0000	0.0000	.0156	.0080		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
782	.0170	.3635	.0874	-.1346	.3635	.0579	-.1346	.3635	.0792	-.1346	1.0000
783	-1.8671	.2117	.0951	-.1558	.2117	.0672	-.1558	.0869	-.1558	1.0000	1.0000
784	.0381	.3659	.0875	-.1321	.3659	.0602	-.1321	.3659	.0795	-.1321	1.0000
785	1.9449	.5194	.0896	-.1117	.5194	.0626	-.1117	.5194	.0816	-.1117	1.0000
786	3.9076	.6609	.0998	-.0808	.6609	.0722	-.0808	.6609	.0911	-.0808	1.0000
787	5.8447	.7946	.1118	-.0444	.7946	.0859	-.0444	.7946	.1042	-.0444	1.0000
788	7.9075	.9219	.1353	-.0054	.9219	.1098	-.0054	.9219	.1278	-.0054	1.0000
789	9.9551	1.0078	.1514	.0452	1.0078	.1269	.0452	1.0078	.1441	.0452	1.0000
790	12.0251	1.0521	.1685	.0925	1.0521	.1466	.0925	1.0521	.1617	.0925	1.0000
791	14.1714	1.1938	.2054	.1492	1.1938	.1831	.1492	1.1938	.1986	.1492	1.0000
792	16.1081	1.3121	.2544	.2070	1.3121	.2327	.2070	1.3121	.2476	.2070	1.0000
793	18.1366	1.4077	.3331	.2549	1.4077	.3187	.2549	1.4077	.3264	.2549	1.0000
794	20.0855	1.4812	.4324	.3020	1.4812	.4091	.3020	1.4812	.4261	.3020	1.0000
795	21.4793	1.5321	.5095	.3307	1.5321	.4838	.3307	1.5321	.5029	.3307	1.0000
796	.0333	.3622	.0900	-.1330	.3622	.0665	-.1330	.3622	.0820	-.1330	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
798	.167	1972	.01	-.00	101185	.3666	.0857	-.1338	-.0000	-.0000	.0082
799	.167	1975	.05	-.00	101196	1.0497	-1.6021	-.5735	-.0008	.0044	.0058
800	.167	1978	-1.82	-.00	101189	.9808	-1.5855	-.5916	-.0010	.0044	.0114
801	.167	1972	.06	-.00	101206	1.0548	-1.6060	-.5760	-.0009	.0040	.0058
802	.167	1972	1.93	-.00	101199	1.2220	-1.6228	-.5587	-.0024	.0042	.0058
803	.168	1998	3.91	-.00	101175	1.3721	-1.6213	-.5275	-.0017	.0031	.0158
804	.168	1992	5.95	-.00	101186	1.5158	-1.6535	-.4938	-.0011	.0044	.0104
805	.168	1992	7.95	-.00	101202	1.6508	-1.6806	-.4582	-.0011	.0043	.0108
806	.168	2005	9.88	-.00	101179	1.7668	-1.6967	-.4139	-.0021	.0037	.0094
807	.167	1978	12.12	-.00	101199	1.9062	-1.7563	-.3727	-.0033	.0035	.0115
808	.168	1988	14.17	-.00	101189	2.0433	-1.7817	-.3214	-.0007	.0034	.0078
809	.167	1985	16.17	-.00	101192	2.1680	-1.8126	-.2659	-.0030	.0039	.0027
810	.167	1985	18.18	-.00	101192	2.2346	-1.7887	-.2137	-.0024	.0060	.0005
811	.168	1995	20.09	-.00	101182	2.3658	-1.7667	-.1842	-.0010	.0063	-.0038
812	.171	2068	21.58	-.00	101170	2.3730	-1.6901	-.1508	-.0028	.0064	-.0004
813	.168	1998	.06	-.00	101179	1.0442	-1.5853	-.5703	-.0016	.0040	.0059
814	.167	1978	.02	-.00	101196	.3618	.0734	-.1339	-.0002	.0002	.0072
815	.010	0	-.00	-.00	103225	.3068	-1.4725	-4.0611	3.8808	.4002	.6316

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
798	.0149	0.0000	.9831	20.4000	0.0000	0.0000	0.0000	.0166	.0081		
799	.0527	29.7265	2.7693	20.4000	1.7334	1.7728	0.0000	-1.7370	.0142		
800	-1.8151	29.7206	2.7699	20.4000	1.7325	1.7719	0.0000	-1.7338	.0142		
801	.0575	29.7188	2.7710	20.4000	1.7395	1.7791	0.0000	-1.7417	.0141		
802	1.9344	29.6938	2.7723	20.4000	1.7402	1.7797	0.0000	-1.7419	.0140		
803	3.9145	29.6792	2.7731	20.4000	1.7180	1.7570	0.0000	-1.7162	.0139		
804	5.9476	29.6812	2.7717	20.4000	1.7242	1.7633	0.0000	-1.7154	.0135		
805	7.9542	29.6549	2.7727	20.4000	1.7234	1.7626	0.0000	-1.7094	.0133		
806	9.8850	29.6423	2.7702	20.4000	1.7111	1.7580	0.0000	-1.6864	.0131		
807	12.1153	29.6462	2.7752	20.4000	1.7372	1.7767	0.0000	-1.7012	.0133		
808	14.1676	29.6441	2.7768	20.4000	1.7295	1.7688	0.0000	-1.6799	.0140		
809	16.1653	29.6277	2.7732	20.4000	1.7312	1.7706	0.0000	-1.6636	.0153		
810	18.1840	29.6126	2.7722	20.4000	1.7319	1.7713	0.0000	-1.6447	.0188		
811	20.0929	29.5935	2.7697	20.4000	1.7215	1.7606	0.0000	-1.6152	.0223		
812	21.5770	29.6114	2.7717	20.4000	1.6631	1.7809	0.0000	-1.5448	.0251		
813	.0622	29.5755	2.7732	20.4000	1.7202	1.7593	0.0000	-1.7204	.0142		
814	.0170	0.0000	.9725	20.4000	0.0000	0.0000	0.0000	.0270	.0081		
815	-.0045	0.0000	.9990	14.3860	0.0000	0.0000	0.0000	.0416	0.0000		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
798	.0149	.3665	.0858	-.1338	.3665	.0611	-.1338	.3665	.0777	-.1338	1.0000
799	.0527	1.0511	-1.6011	-.5735	1.0495	.1181	-.3780	1.0512	-1.6419	-.5765	1.8000
800	-1.8151	.8301	-1.6126	-.5916	.8850	.1049	-.3961	.8292	-1.6543	-.5947	1.8000
801	.0575	1.0564	-1.6049	-.5760	1.0547	.1205	-.3797	1.0564	-1.6395	-.5783	1.8000
802	1.9344	1.2761	-1.5807	-.5587	1.2174	.1445	-.3623	1.2768	-1.6145	-.5609	1.8000
803	3.9145	1.4796	-1.5238	-.5275	1.3623	.1762	-.3337	1.4825	-1.5797	-.5322	1.8000
804	5.9476	1.6790	-1.4875	-.4938	1.5004	.2138	-.2993	1.6827	-1.5367	-.4979	1.8000
805	7.9542	1.8675	-1.4360	-.4582	1.6290	.2575	-.2638	1.8726	-1.4856	-.4623	1.8000
806	9.8850	2.0319	-1.3682	-.4139	1.7381	.3044	-.2209	2.0402	-1.4294	-.4194	1.8000
807	12.1153	2.2323	-1.3171	-.3727	1.8677	.3681	-.1767	2.2371	-1.3527	-.3753	1.8000
808	14.1676	2.4173	-1.2274	-.3214	1.9940	.4355	-.1263	2.4247	-1.2710	-.3248	1.8000
809	16.1653	2.5870	-1.1374	-.2659	2.1050	.5102	-.0706	2.5950	-1.1803	-.2692	1.8000
810	18.1840	2.6812	-1.0020	-.2137	2.1407	.6246	-.0183	2.6900	-1.0475	-.2168	1.8000
811	20.0929	2.8287	-.8464	-.1842	2.2373	.7481	.0101	2.8419	-.9048	-.1885	1.8000
812	21.5770	2.8283	-.6990	-.1508	2.2167	.8225	.0369	2.8639	-.8142	-.1617	1.8000
813	.0622	1.0459	-1.5842	-.5703	1.8440	.1219	-.3763	1.0459	-1.6381	-.5748	1.8000
814	.0170	.3618	.0735	-.1339	.3618	.0384	-.1339	.3618	.0654	-.1339	1.0000
815	-.0045	.3067	-1.4726	-4.0611	.3067	-1.5142	-4.0611	.3067	-1.4726	-4.0611	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
833	.166	1939	.02	.00	101009	.3720	.0975	-.1303	-.0008	-.0002	-.0030
834	.167	1965	-1.83	-.00	100982	.2320	.1141	-.1554	-.0005	-.0005	-.0075
835	.165	1929	-.01	-.00	101019	.3776	.1005	-.1271	-.0009	-.0001	.0018
836	.166	1945	2.01	-.00	101002	.5185	.0836	-.1053	-.0023	-.0004	-.0008
837	.166	1952	3.94	-.00	100992	.6480	.0670	-.0748	-.0019	-.0003	.0009
838	.166	1949	5.90	-.00	100995	.8147	.0472	-.0440	-.0009	-.0012	.0135
839	.166	1959	7.92	-.00	100982	.9478	.0217	-.0072	-.0005	-.0003	.0002
840	.166	1942	9.98	.00	100999	1.0755	-.0041	.0341	-.0017	-.0009	-.0064
841	.164	1912	12.09	-.00	101029	1.1889	-.0332	.0880	-.0021	-.0010	.0035
842	.165	1932	14.19	-.00	101009	1.2978	-.0649	.1341	-.0023	-.0012	.0017
843	.166	1959	16.21	-.00	100982	1.3967	-.0911	.1913	-.0031	-.0018	.0013
844	.166	1939	18.16	-.00	101002	1.4905	-.0937	.2401	-.0002	-.0011	.0008
845	.165	1935	20.19	-.00	101002	1.5858	-.0812	.2943	-.0016	-.0011	.0020
846	.167	1965	21.71	-.00	100975	1.6327	-.0664	.3313	-.0021	-.0004	.0038
847	.166	1939	.04	.00	101002	.3601	.1079	-.1321	-.0002	-.0006	-.0057

TEST		995		RUN		50			
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
833	.0196	0.0000	.9714	22.4143	0.0000	0.0000	0.0000	.0262	.0087
834	-1.8339	0.0000	.9720	22.4140	0.0000	0.0000	0.0000	.0253	.0087
835	-.0101	0.0000	.9723	22.4139	0.0000	0.0000	0.0000	.0255	.0085
836	2.0062	0.0000	.9725	22.4137	0.0000	0.0000	0.0000	.0250	.0084
837	3.9419	0.0000	.9718	22.4141	0.0000	0.0000	0.0000	.0255	.0082
838	5.9015	0.0000	.9714	22.4143	0.0000	0.0000	0.0000	.0259	.0083
839	7.9189	0.0000	.9695	22.4152	0.0000	0.0000	0.0000	.0273	.0083
840	9.9840	0.0000	.9687	22.4156	0.0000	0.0000	0.0000	.0281	.0084
841	12.0885	0.0000	.9688	22.4156	0.0000	0.0000	0.0000	.0283	.0087
842	14.1939	0.0000	.9687	22.4157	0.0000	0.0000	0.0000	.0278	.0086
843	16.2069	0.0000	.9678	22.4161	0.0000	0.0000	0.0000	.0280	.0081
844	18.1589	0.0000	.9680	22.4160	0.0000	0.0000	0.0000	.0278	.0078
845	20.1944	0.0000	.9662	22.4169	0.0000	0.0000	0.0000	.0291	.0071
846	21.7056	0.0000	.9648	22.4176	0.0000	0.0000	0.0000	.0295	.0077
847	.0440	0.0000	.9723	22.4139	0.0000	0.0000	0.0000	.0253	.0087

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
833	.0196	.3719	.0976	-.1303	.3719	.0627	-.1303	.3719	.0889	-.1303	1.0000
834	-1.8339	.2355	.1067	-.1554	.2355	.0727	-.1554	.2355	.0980	-.1554	1.0000
835	-.0101	.3776	.1005	-.1271	.3776	.0666	-.1271	.3776	.0920	-.1271	1.0000
836	2.0062	.5153	.1017	-.1053	.5153	.0683	-.1053	.5153	.0933	-.1053	1.0000
837	3.9419	.6419	.1114	-.0748	.6419	.0776	-.0748	.6419	.1033	-.0748	1.0000
838	5.9015	.8055	.1307	-.0440	.8055	.0965	-.0440	.8055	.1224	-.0440	1.0000
839	7.9189	.9357	.1520	-.0072	.9357	.1165	-.0072	.9357	.1438	-.0072	1.0000
840	9.9840	1.0600	.1824	.0341	1.0600	.1459	.0341	1.0600	.1740	.0341	1.0000
841	12.0885	1.1695	.2165	.0800	1.1695	.1795	.0800	1.1695	.2078	.0800	1.0000
842	14.1939	1.2741	.2553	.1341	1.2741	.2189	.1341	1.2741	.2467	.1341	1.0000
843	16.2069	1.3666	.3023	.1913	1.3666	.2663	.1913	1.3666	.2942	.1913	1.0000
844	18.1589	1.4455	.3754	.2401	1.4455	.3399	.2401	1.4455	.3677	.2401	1.0000
845	20.1944	1.5163	.4712	.2943	1.5163	.4351	.2943	1.5163	.4642	.2943	1.0000
846	21.7056	1.5415	.5421	.3313	1.5415	.5050	.3313	1.5415	.5345	.3313	1.0000
847	.0440	.3600	.1082	-.1321	.3600	.0741	-.1321	.3600	.0995	-.1321	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		51					
POINT	MACH	D N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
848	.166	1942	.04	-.00	100992	.3773	.1053	-.1274	.0002	.0001	-.0009
849	.166	1955	.09	-.00	100968	1.1278	-.12371	-.4898	.0033	.0029	.0030
850	.166	1939	-1.78	-.00	100985	.9546	-.12464	-.5167	.0036	.0030	.0069
851	.165	1932	.10	-.00	100988	1.1370	-.12549	-.4952	.0037	.0032	.0019
852	.165	1932	2.01	-.00	100988	1.3161	-.12696	-.4782	.0036	.0031	.0045
853	.165	1922	3.95	-.00	101002	1.4724	-.12945	-.4549	.0031	.0022	.0085
854	.165	1935	5.97	-.00	100985	1.6313	-.13059	-.4189	.0054	.0034	.0017
855	.164	1912	7.99	-.00	101019	1.7873	-.13407	-.3926	.0060	.0033	.0065
856	.163	1879	10.05	-.00	101045	1.9745	-.13876	-.3715	.0054	.0028	-.0017
857	.165	1929	12.14	-.00	100992	2.1256	-.13812	-.3317	.0040	.0024	.0035
858	.165	1935	14.24	-.00	100985	2.3029	-.14095	-.2934	.0047	.0020	.0021
859	.166	1945	16.25	-.00	100975	2.4772	-.14312	-.2580	.0061	.0028	.0009
860	.165	1926	18.25	-.00	100999	2.7018	-.14749	-.2376	.0086	.0035	-.0031
861	.165	1935	20.28	-.00	100988	2.9084	-.15045	-.2102	.0089	.0050	-.0036
862	.166	1949	21.69	-.00	100975	3.0651	-.15214	-.1874	.0104	.0054	.0076
863	.165	1919	.09	-.00	101002	1.1355	-.12654	-.4959	.0028	.0022	.0008
864	.165	1926	.04	.00	100995	.3674	.0874	-.1309	.0001	-.0000	-.0032

TEST		995		RUN		51					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C		
848	.0409	0.0000	.9731	22.4134	0.0000	0.0000	0.0000	.0245	.0089		
849	.0854	29.9299	2.8612	21.4694	1.7879	1.3158	.5127	-1.6864	.0203		
850	-1.7835	29.9154	2.8544	21.4728	1.8016	1.3260	.5166	-1.6940	.0200		
851	.1037	29.9032	2.8605	21.4697	1.8104	1.3326	.5189	-1.7063	.0205		
852	2.0135	29.8882	2.8579	21.4711	1.8091	1.3315	.5187	-1.7028	.0207		
853	3.9474	29.8986	2.8529	21.4735	1.8182	1.3381	.5214	-1.7043	.0212		
854	5.9735	29.8908	2.8591	21.4705	1.8086	1.3312	.5186	-1.6927	.0214		
855	7.9922	29.8999	2.8532	21.4734	1.8304	1.3472	.5248	-1.7010	.0224		
856	10.0529	29.8275	2.8533	21.4734	1.8591	1.3682	.5331	-1.7216	.0234		
857	12.1433	29.8304	2.8570	21.4715	1.8129	1.3342	.5199	-1.6679	.0235		
858	14.2431	29.8304	2.8540	21.4730	1.8075	1.3305	.5181	-1.6451	.0236		
859	16.2519	29.7818	2.8562	21.4719	1.7963	1.3221	.5150	-1.6230	.0238		
860	18.2539	29.7855	2.8533	21.4733	1.8159	1.3365	.5207	-1.6199	.0242		
861	20.2794	29.8135	2.8541	21.4730	1.8092	1.3316	.5188	-1.5923	.0246		
862	21.6916	29.7940	2.8530	21.4735	1.7959	1.3218	.5149	-1.5654	.0245		
863	.0917	29.7307	2.8524	21.4738	1.8236	1.3427	.5223	-1.7107	.0206		
864	.0354	0.0000	.9650	22.4175	0.0000	0.0000	0.0000	.0322	.0090		

TEST		995		RUN		51					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
848	.0409	.3772	.1056	-.1274	.3772	.0721	-.1274	.3772	.0967	-.1274	1.0000
849	.0854	1.1289	-1.2354	-.4898	1.1262	.5322	-.2881	1.1288	-1.2278	-.4856	1.8000
850	-1.7835	.9154	-1.2755	-.5167	.9715	.5052	-.3134	.9167	-1.2540	-.5120	1.8000
851	.1037	1.1392	-1.2528	-.4952	1.1360	.5371	-.2909	1.1392	-1.2229	-.4895	1.8000
852	2.0135	1.3599	-1.2226	-.4782	1.2963	.5647	-.2741	1.3582	-1.1942	-.4726	1.8000
853	3.9474	1.5580	-1.1901	-.4549	1.4328	.6026	-.2497	1.5540	-1.1532	-.4483	1.8000
854	5.9735	1.7584	-1.1290	-.4189	1.5701	.6484	-.2148	1.7533	-1.1021	-.4134	1.8000
855	7.9922	1.9564	-1.0791	-.3926	1.7019	.7111	-.1861	1.9466	-1.0318	-.3847	1.8000
856	10.0529	2.1865	-1.0217	-.3715	1.8619	.7855	-.1618	2.1692	-.9475	-.3603	1.8000
857	12.1433	2.3686	-.9032	-.3317	1.9873	.8456	-.1272	2.3575	-.8750	-.3257	1.8000
858	14.2431	2.5788	-.7995	-.2934	2.1341	.9288	-.0895	2.5672	-.7771	-.2880	1.8000
859	16.2519	2.7788	-.6807	-.2580	2.2761	1.0201	-.0553	2.7686	-.6696	-.2539	1.8000
860	18.2539	3.0278	-.5544	-.2376	2.4590	1.1459	-.0328	3.0103	-.5255	-.2313	1.8000
861	20.2794	3.2496	-.4032	-.2102	2.6226	1.2693	-.0061	3.2326	-.3817	-.2046	1.8000
862	21.6916	3.4104	-.2808	-.1874	2.7466	1.3635	.0152	3.3971	-.2719	-.1834	1.8000
863	.0917	1.1376	-1.2636	-.4959	1.1346	.5394	-.2902	1.1375	-1.2206	-.4887	1.8000
864	.0354	.3674	.0877	-.1309	.3674	.0464	-.1309	.3674	.0787	-.1309	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		52					
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
867	.165	1926	.03	-.00	100927	.4437	.0795	-.1408	-.0024	-.0006	.0125
868	.166	1935	-1.83	-.00	100921	.2905	.0903	-.1679	-.0025	.0001	.0027
869	.166	1949	.04	-.00	100904	.4451	.0764	-.1411	-.0027	.0001	.0023
870	.165	1922	1.91	-.00	100934	.5746	.0701	-.1076	-.0027	-.0003	.0029
871	.165	1919	3.88	-.00	100938	.7048	.0557	-.0721	-.0019	-.0001	.0034
872	.166	1935	5.88	-.00	100917	.8333	.0384	-.0314	-.0031	-.0004	.0033
873	.166	1935	7.91	-.00	100917	.9600	.0180	.0056	-.0014	.0013	.0279
874	.166	1939	9.95	-.00	100911	1.0891	-.0063	.0482	-.0001	-.0013	.0049
875	.164	1909	12.08	-.00	100941	1.2147	-.0241	.0955	-.0020	-.0021	.0069
876	.163	1889	14.16	-.00	100968	1.3205	-.0266	.1436	-.0030	-.0020	.0100
877	.165	1919	16.14	-.00	100961	1.3866	-.0197	.1904	-.0026	-.0010	.0392
878	.166	1939	18.16	-.00	100914	1.4500	-.0091	.2488	-.0026	-.0006	.0018
879	.164	1896	20.12	-.00	100961	1.5672	.0070	.2720	-.0013	.0001	.0049
880	.162	1859	21.47	-.00	100998	1.6722	.0095	.2952	-.0021	-.0002	.0006
881	.165	1919	.04	-.00	100938	.4404	.0845	-.1423	-.0021	-.0002	.0056

TEST		995		RUN		52					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
867	.0285	0.0000	.9741	22.4129	0.0000	0.0000	0.0000	.0238	.0086		
868	-1.8324	0.0000	.9741	22.4129	0.0000	0.0000	0.0000	.0237	.0088		
869	.0404	0.0000	.9744	22.4128	0.0000	0.0000	0.0000	.0232	.0087		
870	1.9116	0.0000	.9757	22.4121	0.0000	0.0000	0.0000	.0224	.0084		
871	3.8797	0.0000	.9741	22.4129	0.0000	0.0000	0.0000	.0238	.0084		
872	5.8835	0.0000	.9737	22.4132	0.0000	0.0000	0.0000	.0240	.0084		
873	7.9104	0.0000	.9734	22.4133	0.0000	0.0000	0.0000	.0241	.0082		
874	9.9528	0.0000	.9719	22.4140	0.0000	0.0000	0.0000	.0253	.0084		
875	12.0825	0.0000	.9728	22.4136	0.0000	0.0000	0.0000	.0246	.0087		
876	14.1555	0.0000	.9732	22.4134	0.0000	0.0000	0.0000	.0244	.0086		
877	16.1357	0.0000	.9718	22.4141	0.0000	0.0000	0.0000	.0250	.0079		
878	18.1594	0.0000	.9704	22.4148	0.0000	0.0000	0.0000	.0257	.0083		
879	20.1241	0.0000	.9700	22.4150	0.0000	0.0000	0.0000	.0263	.0093		
880	21.4684	0.0000	.9697	22.4152	0.0000	0.0000	0.0000	.0269	.0098		
881	.0373	0.0000	.9777	22.4112	0.0000	0.0000	0.0000	.0206	.0088		

TEST		995		RUN		52					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
867	.0285	.4436	.0797	-.1408	.4436	.0473	-.1408	.4436	.0711	-.1408	1.0000
868	-1.8324	.2932	.0809	-.1679	.2932	.0484	-.1679	.2932	.0721	-.1679	1.0000
869	.0404	.4451	.0767	-.1411	.4451	.0467	-.1411	.4451	.0679	-.1411	1.0000
870	1.9116	.5719	.0892	-.1076	.5719	.0584	-.1076	.5719	.0808	-.1076	1.0000
871	3.8797	.6994	.1033	-.0721	.6994	.0710	-.0721	.6994	.0948	-.0721	1.0000
872	5.8835	.8249	.1236	-.0314	.8249	.0912	-.0314	.8249	.1152	-.0314	1.0000
873	7.9104	.9484	.1499	.0056	.9484	.1176	.0056	.9484	.1417	.0056	1.0000
874	9.9528	1.0739	.1820	.0482	1.0739	.1484	.0482	1.0739	.1736	.0482	1.0000
875	12.0825	1.1928	.2307	.0955	1.1928	.1973	.0955	1.1928	.2219	.0955	1.0000
876	14.1555	1.2869	.2972	.1436	1.2869	.2642	.1436	1.2869	.2886	.1436	1.0000
877	16.1357	1.3375	.3664	.1904	1.3375	.3335	.1904	1.3375	.3585	.1904	1.0000
878	18.1594	1.3806	.4432	.2488	1.3806	.4093	.2488	1.3806	.4349	.2488	1.0000
879	20.1241	1.4691	.5458	.2720	1.4691	.5102	.2720	1.4691	.5365	.2720	1.0000
880	21.4684	1.5527	.6209	.2952	1.5527	.5841	.2952	1.5527	.6110	.2952	1.0000
881	.0373	.4403	.0848	-.1423	.4403	.0554	-.1423	.4403	.0760	-.1423	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 53								
POINT	MACH	θ N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	GNF	CAF	GPM	CRM,B	CYM,B	CSF
883	.165	1919	.03	.00	100924	.4448	.0675	-.1449	-.0021	.0008	-.0105
884	.167	1962	.07	-.00	100880	1.2127	-1.3218	-.5149	.0007	-.0027	.0150
885	.167	1968	-1.79	-.00	100877	1.0385	-1.3131	-.5406	.0009	-.0026	.0176
886	.167	1959	.09	-.00	100880	1.2193	-1.3296	-.5175	.0003	-.0022	.0188
887	.167	1975	2.02	-.00	100867	1.3620	-1.3271	-.4839	.0016	-.0020	.0176
888	.166	1952	3.97	-.00	100890	1.5053	-1.3519	-.4543	.0023	-.0019	.0194
889	.165	1912	5.95	-.00	100931	1.6684	-1.3967	-.4266	.0035	-.0020	.0166
890	.166	1955	8.01	-.00	100881	1.8146	-1.3837	-.3887	.0055	-.0019	.0134
891	.165	1919	10.84	-.00	100924	2.0112	-1.4311	-.3673	.0067	-.0036	.0186
892	.166	1935	12.16	-.00	100907	2.2367	-1.4403	-.3466	.0045	-.0033	.0214
893	.167	1968	14.24	-.00	100874	2.4418	-1.4414	-.3170	.0067	-.0026	.0146
894	.166	1949	16.26	-.00	100890	2.6698	-1.4843	-.2977	.0080	-.0014	.0182
895	.166	1945	18.26	-.00	100894	2.8863	-1.5189	-.2736	.0066	-.0001	.0136
896	.166	1952	20.26	-.00	100894	3.0846	-1.5493	-.2388	.0046	.0009	.0127
897	.167	1968	21.60	-.00	100874	3.2141	-1.5569	-.2071	.0041	.0011	.0098
898	.167	1978	.09	-.00	100857	1.2105	-1.3175	-.5139	.0002	-.0023	.0129
899	.166	1949	.04	-.00	100894	.4462	.0609	-.1454	-.0018	-.0016	.0267

TEST 995			RUN 53								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C		
883	.0307	0.0000	.9839	22.4081	0.0000	0.0000	0.0000	.0149	.0085		
884	.0652	30.6356	2.9500	21.4250	1.8494	1.3616	.5298	-1.7593	.0191		
885	-1.7937	30.6024	2.9559	21.4226	1.8451	1.3586	.5285	-1.7579	.0188		
886	.0863	30.5702	2.9533	21.4233	1.8521	1.3634	.5308	-1.7653	.0190		
887	2.0224	30.5327	2.9581	21.4210	1.8382	1.3535	.5264	-1.7535	.0193		
888	3.9700	30.5107	2.9511	21.4245	1.8582	1.3683	.5322	-1.7652	.0198		
889	5.9471	30.4942	2.9501	21.4249	1.8964	1.3964	.5431	-1.7963	.0205		
890	8.0097	30.4866	2.9490	21.4255	1.8549	1.3658	.5313	-1.7473	.0212		
891	10.0422	30.4698	2.9500	21.4250	1.8907	1.3923	.5414	-1.7719	.0220		
892	12.1581	30.4647	2.9542	21.4229	1.8755	1.3808	.5373	-1.7476	.0216		
893	14.2358	30.4300	2.9533	21.4234	1.8427	1.3567	.5279	-1.7024	.0210		
894	16.2600	30.3939	2.9498	21.4251	1.8597	1.3694	.5326	-1.7005	.0210		
895	18.2597	30.4178	2.9510	21.4245	1.8652	1.3734	.5342	-1.6860	.0210		
896	20.2580	30.4016	2.9511	21.4244	1.8582	1.3681	.5323	-1.6601	.0210		
897	21.6048	30.5165	2.9474	21.4263	1.8495	1.3617	.5298	-1.6280	.0210		
898	.0864	30.3543	2.9490	21.4255	1.8326	1.3494	.5249	-1.7434	.0191		
899	.0357	0.0000	.9724	22.4138	0.0000	0.0000	0.0000	.0251	.0083		

TEST 995			RUN 53								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
883	.0307	.4448	.0677	-.1449	.4448	.0444	-.1449	.4448	.0592	-.1449	1.0000
884	.0652	1.2142	-1.3204	-.5149	1.2121	.5098	-.3063	1.2141	-1.2502	-.5048	1.8000
885	-1.7937	.9969	-1.3449	-.5406	1.0546	.4805	-.3324	.9995	-1.2786	-.5310	1.8000
886	.0863	1.2213	-1.3277	-.5175	1.2185	.5054	-.3085	1.2212	-1.2546	-.5071	1.8000
887	2.0224	1.4080	-1.2783	-.4839	1.3431	.5394	-.2765	1.4052	-1.2195	-.4751	1.8000
888	3.9700	1.5953	-1.2444	-.4543	1.4666	.5895	-.2447	1.5885	-1.1662	-.4433	1.8000
889	5.9471	1.8042	-1.2163	-.4266	1.6077	.6494	-.2126	1.7900	-1.1011	-.4112	1.8000
890	8.0097	1.9897	-1.1174	-.3887	1.7312	.6983	-.1794	1.9765	-1.0446	-.3780	1.8000
891	10.0422	2.2300	-1.0585	-.3673	1.9003	.7812	-.1540	2.2072	-.9518	-.3525	1.8000
892	12.1581	2.4898	-.9369	-.3466	2.0948	.8749	-.1350	2.4655	-.8456	-.3335	1.8000
893	14.2358	2.7212	-.7967	-.3170	2.2681	.9685	-.1091	2.7009	-.7375	-.3077	1.8000
894	16.2600	2.9786	-.6774	-.2977	2.4579	1.0869	-.0879	2.9506	-.6027	-.2665	1.8000
895	18.2597	3.2169	-.5380	-.2736	2.6325	1.2123	-.0632	3.1839	-.4591	-.2617	1.8000
896	20.2580	3.4302	-.3854	-.2388	2.7868	1.3368	-.0292	3.3962	-.3143	-.2277	1.8000
897	21.6048	3.5616	-.2641	-.2071	2.8806	1.4345	.0016	3.5287	-.2019	-.1970	1.8000
898	.0864	1.2125	-1.3157	-.5139	1.2097	.4979	-.3072	1.2124	-1.2621	-.5057	1.8000
899	.0357	.4461	.0612	-.1454	.4461	.0277	-.1454	.4461	.0528	-.1454	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	HACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
918	.166	1929	.02	-.00	100237	.4792	.0616	-.1322	-.0023	-.0001	.0036
919	.166	1935	-1.83	-.00	100230	.3542	.0661	-.1660	-.0026	-.0002	.0038
920	.167	1952	.02	-.00	100213	.4805	.0645	-.1311	-.0024	.0002	.0070
921	.165	1919	1.96	-.00	100247	.6067	.0572	-.0985	-.0033	.0003	.0058
922	.165	1912	3.93	-.00	100253	.7469	.0430	-.0514	-.0018	-.0002	.0048
923	.166	1929	5.91	-.00	100237	.8762	.0410	-.0217	-.0022	-.0001	.0055
924	.166	1925	7.94	-.00	100240	1.0110	.0313	.0138	-.0020	.0002	.0051
925	.165	1912	10.05	-.00	100253	1.1027	.0298	.0626	-.0018	.0003	.0059
926	.167	1952	12.09	-.00	100210	1.1849	.0318	.1140	-.0022	-.0001	.0033
927	.166	1935	14.21	-.00	100230	1.2558	.0335	.1723	-.0004	.0003	.0060
928	.166	1922	16.14	-.00	100243	1.3422	.0469	.1884	-.0037	-.0001	.0106
929	.164	1892	18.14	-.00	100273	1.4679	.0488	.2252	-.0024	-.0000	.0093
930	.163	1869	20.22	-.00	100297	1.6234	.0436	.2651	-.0008	.0001	.0080
931	.164	1899	21.57	-.00	100267	1.7146	.0424	.2994	-.0004	.0007	.0083
932	.167	1958	.05	-.00	100207	.4764	.0679	-.1328	-.0022	-.0001	.0045

TEST		995			RUN		55			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
918	.0245	0.0000	.9693	22.4154	0.0000	0.0000	0.0000	.0280	.0086	
919	-1.8324	0.0000	.9699	22.4151	0.0000	0.0000	0.0000	.0274	.0086	
920	.0249	0.0000	.9697	22.4151	0.0000	0.0000	0.0000	.0273	.0085	
921	1.9584	0.0000	.9702	22.4149	0.0000	0.0000	0.0000	.0273	.0084	
922	3.9271	0.0000	.9702	22.4149	0.0000	0.0000	0.0000	.0273	.0083	
923	5.9081	0.0000	.9698	22.4151	0.0000	0.0000	0.0000	.0274	.0083	
924	7.9407	0.0000	.9693	22.4153	0.0000	0.0000	0.0000	.0278	.0083	
925	10.0487	0.0000	.9698	22.4151	0.0000	0.0000	0.0000	.0274	.0086	
926	12.0899	0.0000	.9652	22.4174	0.0000	0.0000	0.0000	.0306	.0086	
927	14.2092	0.0000	.9664	22.4168	0.0000	0.0000	0.0000	.0296	.0088	
928	16.1382	0.0000	.9657	22.4171	0.0000	0.0000	0.0000	.0301	.0091	
929	18.1441	0.0000	.9651	22.4174	0.0000	0.0000	0.0000	.0308	.0096	
930	20.2163	0.0000	.9639	22.4180	0.0000	0.0000	0.0000	.0319	.0099	
931	21.5741	0.0000	.9621	22.4189	0.0000	0.0000	0.0000	.0326	.0101	
932	.0501	0.0000	.9710	22.4145	0.0000	0.0000	0.0000	.0260	.0084	

TEST 995											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
918	.0245	.4792	.0619	-.1322	.4792	.0253	-.1322	.4792	.0533	-.1322	1.0000
919	-1.8324	.3562	.0548	-.1660	.3562	.0188	-.1660	.3562	.0461	-.1660	1.0000
920	.0249	.4805	.0648	-.1311	.4805	.0290	-.1311	.4805	.0562	-.1311	1.0000
921	1.9584	.6044	.0779	-.0985	.6044	.0422	-.0985	.6044	.0695	-.0985	1.0000
922	3.9271	.7422	.0941	-.0514	.7422	.0585	-.0514	.7422	.0858	-.0514	1.0000
923	5.9081	.8673	.1310	-.0217	.8673	.0953	-.0217	.8673	.1227	-.0217	1.0000
924	7.9407	.9970	.1706	.0138	.9970	.1346	.0138	.9970	.1624	.0138	1.0000
925	10.0487	1.0806	.2218	.0626	1.0806	.1858	.0626	1.0806	.2132	.0626	1.0000
926	12.0899	1.1520	.2793	.1140	1.1520	.2400	.1140	1.1520	.2706	.1140	1.0000
927	14.2092	1.2091	.3407	.1723	1.2091	.3023	.1723	1.2091	.3319	.1723	1.0000
928	16.1382	1.2763	.4181	.1884	1.2763	.3789	.1884	1.2763	.4091	.1884	1.0000
929	18.1441	1.3798	.5035	.2252	1.3798	.4631	.2252	1.3798	.4939	.2252	1.0000
930	20.2163	1.5083	.6019	.2651	1.5083	.5601	.2651	1.5083	.5920	.2651	1.0000
931	21.5741	1.5789	.6699	.2994	1.5789	.6272	.2994	1.5789	.6598	.2994	1.0000
932	.0501	.4763	.0683	-.1328	.4763	.0339	-.1328	.4763	.0599	-.1328	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 56								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
933	.166	1929	.04	-.00	100254	.4780	.0638	-.1317	-.0011	-.0001	.0031
934	.166	1935	.07	-.00	100243	.9754	-.7392	-.3499	-.0008	-.0009	.0158
935	.166	1925	-1.81	-.00	100240	.8400	-.7448	-.3851	-.0014	-.0008	.0151
936	.166	1922	.08	-.00	100243	.9845	-.7476	-.3513	-.0005	-.0007	.0135
937	.166	1932	2.01	-.00	100233	1.1221	-.7512	-.3193	-.0008	-.0008	.0129
938	.166	1939	3.95	-.00	100227	1.2699	-.7599	-.2875	.0001	-.0020	.0243
939	.165	1919	5.94	-.00	100257	1.4514	-.7804	-.2615	.0020	-.0017	.0129
940	.166	1925	7.96	-.00	100237	1.6495	-.7883	-.2394	.0040	-.0008	.0140
941	.164	1896	10.03	-.00	100263	1.8608	-.8231	-.2246	.0062	-.0002	.0141
942	.166	1932	12.16	-.00	100227	2.0655	-.8191	-.2017	.0076	.0004	.0161
943	.165	1919	14.23	-.00	100240	2.2933	-.8439	-.1747	.0039	.0005	.0124
944	.166	1925	16.22	-.00	100230	2.4553	-.8574	-.1207	-.0031	-.0001	.0120
945	.165	1916	18.23	-.00	100240	2.6246	-.8740	-.0742	-.0013	.0005	.0168
946	.166	1925	20.23	-.00	100226	2.8361	-.8859	-.0394	-.0023	.0013	.0188
947	.166	1922	21.58	-.00	100230	2.9654	-.8993	-.0074	-.0010	.0012	.0154
948	.164	1896	.09	-.00	100257	1.0014	-.7814	-.3614	-.0005	-.0008	.0116

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 56								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
933	.0383	0.0000	.9736	22.4132	0.0000	0.0000	0.0000	.0241	.0085		
934	.0652	21.3862	2.0931	21.8535	1.1104	.8172	.3185	-.9934	.0161		
935	-1.8070	21.3785	2.0973	21.8513	1.1182	.8228	.3208	-1.0019	.0160		
936	.0794	21.3883	2.1014	21.8493	1.1228	.8262	.3221	-1.0079	.0162		
937	2.0136	21.3140	2.0931	21.8535	1.1105	.8171	.3186	-.9944	.0162		
938	3.9469	21.4309	2.1026	21.8487	1.1159	.8210	.3203	-.9978	.0164		
939	5.9432	21.4539	2.1089	21.8455	1.1313	.8324	.3246	-1.0112	.0164		
940	7.9576	21.4863	2.1069	21.8466	1.1297	.8315	.3239	-1.0013	.0164		
941	10.0343	21.4825	2.1058	21.8471	1.1466	.8439	.3288	-1.0105	.0165		
942	12.1642	21.5520	2.1129	21.8436	1.1312	.8324	.3244	-.9902	.0161		
943	14.2272	21.5844	2.1098	21.8451	1.1356	.8356	.3258	-.9861	.0161		
944	16.2155	21.5237	2.1132	21.8434	1.1350	.8354	.3254	-.9763	.0161		
945	18.2296	21.5310	2.1147	21.8427	1.1423	.8408	.3274	-.9721	.0160		
946	20.2285	21.5706	2.1150	21.8425	1.1380	.8374	.3264	-.9555	.0162		
947	21.5807	21.5996	2.1171	21.8414	1.1423	.8406	.3277	-.9505	.0165		
948	.0887	21.6620	2.1278	21.8361	1.1663	.8584	.3343	-1.0466	.0165		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 56								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
933	.0383	.4780	.0642	-.1317	.4780	.0316	-.1317	.4780	.0557	-.1317	1.0000
934	.0652	.9762	-.7380	-.3499	.9750	.3563	-.2246	.9763	-.8170	-.3570	1.2000
935	-1.8070	.8161	-.7710	-.3851	.8513	.3307	-.2590	.8143	-.8421	-.3913	1.2000
936	.0794	.9855	-.7462	-.3513	.9840	.3604	-.2246	.9856	-.8129	-.3570	1.2000
937	2.0136	1.1478	-.7113	-.3193	1.1087	.3823	-.1940	1.1500	-.7903	-.3264	1.2000
938	3.9469	1.3192	-.6707	-.2875	1.2424	.4262	-.1616	1.3232	-.7443	-.2940	1.2000
939	5.9432	1.5244	-.6259	-.2615	1.4073	.4829	-.1339	1.5288	-.6841	-.2663	1.2000
940	7.9576	1.7428	-.5524	-.2394	1.5864	.5501	-.1120	1.7488	-.6119	-.2443	1.2000
941	10.0343	1.9758	-.4863	-.2246	1.7760	.6263	-.0952	1.9805	-.5291	-.2276	1.2000
942	12.1642	2.1918	-.3655	-.2017	1.9534	.7241	-.0741	2.2006	-.4228	-.2064	1.2000
943	14.2272	2.4303	-.2544	-.1747	2.1512	.8303	-.0466	2.4396	-.3070	-.1789	1.2000
944	16.2155	2.5970	-.1377	-.1207	2.2801	.9361	.0074	2.6077	-.1906	-.1250	1.2000
945	18.2296	2.7663	-.0091	-.0742	2.4090	1.0599	.0547	2.7760	-.0546	-.0777	1.2000
946	20.2285	2.9675	.1494	-.0394	2.5741	1.2010	.0890	2.9798	.1000	-.0434	1.2000
947	21.5807	3.0883	.2545	.0074	2.6681	1.3002	.1363	3.0997	.2092	.0039	1.2000
948	.0887	1.0026	-.7799	-.3614	1.0008	.3699	-.2299	1.0026	-.8035	-.3622	1.2000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	RUN 57						
					P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
949	.165	1989	.07	-.00	100243	1.1704	-1.1507	-.4552	-.0006	.0000	.0110
950	.166	1932	-1.79	-.00	100216	1.0280	-1.1455	-.4891	-.0006	-.0001	.0132
951	.166	1922	.11	-.00	100230	1.1852	-1.1549	-.4613	.0002	.0000	.0117
952	.164	1886	1.98	-.00	100267	1.3343	-1.1833	-.4363	.0008	.0008	.0186
953	.165	1902	3.93	-.00	100246	1.4838	-1.1820	-.4031	.0020	.0008	.0245
954	.165	1902	5.96	-.00	100250	1.6678	-1.1950	-.3791	.0049	-.0013	.0103
955	.166	1942	7.97	-.00	100210	1.8700	-1.1879	-.3521	.0046	.0001	.0157
956	.164	1896	10.04	-.00	100257	2.0887	-1.2323	-.3435	.0048	.0003	.0141
957	.165	1919	12.15	-.00	100243	2.3039	-1.2396	-.3233	.0039	.0008	.0102
958	.165	1899	14.28	-.00	100253	2.5589	-1.2734	-.3037	.0029	.0009	.0147
959	.165	1899	16.26	-.00	100253	2.7408	-1.2698	-.2620	.0009	.0013	.0135
960	.165	1899	18.26	-.00	100253	2.9525	-1.2873	-.2196	-.0010	.0019	.0125
961	.165	1899	20.30	-.00	100253	3.1828	-1.3084	-.1901	-.0041	.0022	.0127
962	.165	1906	21.70	-.00	100247	3.3467	-1.3198	-.1704	-.0029	.0025	.0160
963	.165	1909	.10	-.00	100240	1.1878	-1.1735	-.4770	.0006	-.0003	.0104

NASA LANGLEY										
TEST 995			7 X 10 HIGH SPEED TUNNEL							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	RUN 57					
					CT	CMU,N	CMU,J	CD,N	CD,C	
949	.0744	27.0194	2.6531	21.5735	1.6201	1.1927	.4642	-1.5231	.0183	
950	-1.7870	27.1725	2.6709	21.5646	1.6157	1.1897	.4626	-1.5200	.0180	
951	.1123	27.1435	2.6709	21.5646	1.6218	1.1942	.4645	-1.5288	.0183	
952	1.9784	27.2655	2.6755	21.5623	1.6621	1.2239	.4760	-1.5622	.0188	
953	3.9300	27.2198	2.6771	21.5615	1.6457	1.2119	.4712	-1.5470	.0189	
954	5.9588	27.3615	2.6904	21.5548	1.6576	1.2207	.4746	-1.5546	.0192	
955	7.9728	27.4044	2.6923	21.5538	1.6276	1.1987	.4659	-1.5175	.0190	
956	10.0411	27.4580	2.6987	21.5587	1.6716	1.2310	.4786	-1.5521	.0192	
957	12.1544	27.5208	2.6992	21.5584	1.6549	1.2184	.4741	-1.5226	.0188	
958	14.2799	27.5274	2.6999	21.5500	1.6734	1.2322	.4792	-1.5260	.0187	
959	16.2597	27.2227	2.6726	21.5637	1.6469	1.2125	.4718	-1.4873	.0184	
960	18.2563	27.2315	2.6764	21.5618	1.6495	1.2147	.4723	-1.4747	.0178	
961	20.2977	27.3484	2.6798	21.5601	1.6568	1.2199	.4745	-1.4594	.0178	
962	21.6985	27.3479	2.6829	21.5586	1.6527	1.2170	.4732	-1.4433	.0178	
963	.0952	27.4232	2.6935	21.5532	1.6566	1.2196	.4746	-1.5604	.0183	

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 57					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
949	.0744	1.1719	-1.1492	-.4552	1.1698	.4525	-.2725	1.1717	-1.0142	-.4379	1.5000
950	-1.7870	.9918	-1.1770	-.4891	1.0422	.4200	-.3068	.9965	-1.0460	-.4723	1.5000
951	.1123	1.1874	-1.1525	-.4613	1.1843	.4518	-.2783	1.1871	-1.0157	-.4438	1.5000
952	1.9784	1.3744	-1.1366	-.4363	1.3170	.5058	-.2487	1.3676	-.9600	-.4142	1.5000
953	3.9300	1.5613	-1.0775	-.4031	1.4485	.5454	-.2175	1.5490	-.9178	-.3829	1.5000
954	5.9588	1.7829	-1.0154	-.3791	1.6108	.6140	-.1921	1.7631	-.8447	-.3575	1.5000
955	7.9728	2.0167	-.9171	-.3521	1.7910	.6758	-.1685	1.9944	-.7767	-.3339	1.5000
956	10.0411	2.2716	-.8492	-.3435	1.9801	.7776	-.1549	2.2358	-.6666	-.3204	1.5000
957	12.1544	2.5133	-.7267	-.3233	2.1649	.8723	-.1366	2.4737	-.5615	-.3021	1.5000
958	14.2799	2.7939	-.6029	-.3037	2.3812	1.0001	-.1149	2.7429	-.4212	-.2803	1.5000
959	16.2597	2.9867	-.4516	-.2620	2.5256	1.1110	-.0763	2.9362	-.2970	-.2417	1.5000
960	18.2563	3.2071	-.2976	-.2196	2.6904	1.2511	-.0335	3.1498	-.1417	-.1990	1.5000
961	20.2977	3.4391	-.1231	-.1901	2.8643	1.4131	-.0032	3.3731	.0375	-.1687	1.5000
962	21.6985	3.5975	.0111	-.1704	2.9865	1.5288	.0161	3.5288	.1661	-.1494	1.5000
963	.0952	1.1898	-1.1716	-.4770	1.1870	.4667	-.2901	1.1894	-1.0000	-.4556	1.5000

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST	995	RUN 58									
PCINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
964	.166	1932	.08	-.00	100216	1.2597	-1.3096	-.4939	.0025	-.0003	.0108
965	.166	1925	-1.80	-.00	100220	1.0985	-1.3098	-.5353	.0023	-.0006	.0109
966	.166	1925	.08	-.00	100216	1.2469	-1.3160	-.5027	.0033	-.0004	.0116
967	.166	1922	2.01	-.00	100223	1.3823	-1.3234	-.4679	.0024	-.0004	.0126
968	.165	1919	3.93	-.00	100226	1.5296	-1.3328	-.4354	.0042	-.0009	.0101
969	.165	1912	5.95	-.00	100233	1.7201	-1.3489	-.4152	.0082	-.0017	.0123
970	.166	1922	7.97	-.00	100220	1.9235	-1.3517	-.3925	.0069	-.0010	.0110
971	.165	1909	10.00	-.00	100233	2.1269	-1.3774	-.3707	.0070	-.0005	.0129
972	.165	1912	12.14	-.00	100230	2.3777	-1.3946	-.3574	.0059	-.0001	.0173
973	.165	1899	14.23	-.00	100243	2.6114	-1.4262	-.3376	.0053	.0005	.0148
974	.167	1945	16.26	-.00	100196	2.8065	-1.4107	-.2948	.0027	.0013	.0103
975	.166	1922	18.27	-.00	100220	3.0360	-1.4478	-.2650	.0013	.0016	.0136
976	.166	1935	20.24	-.00	100206	3.2685	-1.4553	-.2345	-.0009	.0020	.0123
977	.166	1925	21.70	-.00	100216	3.4639	-1.4771	-.2224	-.0012	.0017	.0124
978	.167	1945	.10	-.00	100193	1.2361	-1.3070	-.5028	.0025	-.0006	.0059
979	.166	1939	.03	-.00	100189	.4779	.0606	-.1344	-.0019	-.0000	.0057

TEST		995		RUN		58			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C
964	.0847	29.4903	2.8967	21.4517	1.8164	1.3374	.5202	-1.7262	.0191
965	-1.8017	29.4888	2.8941	21.4529	1.8226	1.3423	.5218	-1.7290	.0187
966	.0761	29.5315	2.9007	21.4497	1.8270	1.3455	.5231	-1.7358	.0192
967	2.0072	29.5444	2.9001	21.4499	1.8308	1.3483	.5242	-1.7373	.0196
968	3.9318	29.5470	2.9025	21.4488	1.8339	1.3503	.5253	-1.7395	.0200
969	5.9488	29.5493	2.9055	21.4472	1.8426	1.3571	.5274	-1.7431	.0202
970	7.9745	29.5575	2.9062	21.4469	1.8322	1.3491	.5247	-1.7271	.0199
971	10.0043	29.5650	2.9031	21.4484	1.8448	1.3583	.5284	-1.7267	.0202
972	12.1424	29.6001	2.9053	21.4473	1.8449	1.3585	.5284	-1.7131	.0200
973	14.2284	29.5917	2.9065	21.4467	1.8579	1.3681	.5320	-1.7117	.0197
974	16.2595	29.5880	2.9068	21.4466	1.8135	1.3354	.5194	-1.6544	.0191
975	18.2692	29.5741	2.9069	21.4465	1.8343	1.3505	.5255	-1.6566	.0187
976	20.2425	29.5849	2.9053	21.4474	1.8231	1.3425	.5220	-1.6240	.0186
977	21.6978	29.5888	2.9017	21.4491	1.8315	1.3486	.5245	-1.6137	.0188
978	.0991	29.5684	2.9069	21.4465	1.8132	1.3352	.5193	-1.7234	.0193
979	.0337	0.0000	.9562	22.4219	0.0000	0.0000	0.0000	.0397	.0088

995					RUN			58			
TEST	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
964	.0847	1.2616	-1.3078	-.4939	1.2589	.4895	-.2890	1.2615	-1.2705	-.4875	1.8000
965	-1.8017	1.0568	-1.3437	-.5353	1.1141	.4592	-.3297	1.0588	-1.2999	-.5282	1.8000
966	.0761	1.2487	-1.3143	-.5027	1.2462	.4935	-.2965	1.2486	-1.2665	-.4951	1.8000
967	2.0072	1.4278	-1.2742	-.4679	1.3637	.5359	-.2613	1.4253	-1.2230	-.4599	1.8000
968	3.9318	1.6174	-1.2248	-.4354	1.4916	.5848	-.2285	1.6123	-1.1710	-.4270	1.8000
969	5.9488	1.8506	-1.1634	-.4152	1.6596	.6491	-.2073	1.8420	-1.1014	-.4059	1.8000
970	7.9745	2.0924	-1.0717	-.3925	1.8382	.7229	-.1858	2.0824	-1.0201	-.3843	1.8000
971	10.0043	2.3339	-.9870	-.3707	2.0134	.8095	-.1625	2.3192	-.9237	-.3611	1.8000
972	12.1424	2.6179	-.8633	-.3574	2.2298	.9203	-.1492	2.6000	-.8003	-.3478	1.8000
973	14.2284	2.8819	-.7406	-.3376	2.4252	1.0486	-.1280	2.8578	-.6655	-.3265	1.8000
974	16.2595	3.0892	-.5685	-.2948	2.5815	1.1533	-.0902	3.0742	-.5363	-.2888	1.8000
975	18.2692	3.3368	-.4231	-.2650	2.7618	1.3081	-.0581	3.3135	-.3712	-.2566	1.8000
976	20.2425	3.5701	-.2345	-.2345	2.9393	1.4574	-.0288	3.5483	-.1939	-.2273	1.8000
977	21.6978	3.7646	-.0918	-.2224	3.0874	1.5912	-.0157	3.7381	-.0441	-.2143	1.8000
978	.0991	1.2383	-1.3049	-.5028	1.2352	.4891	-.2983	1.2382	-1.2709	-.4968	1.8000
979	.0337	.4778	.0609	-.1344	.4778	.0124	-.1344	.4778	.0521	-.1344	1.8000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		61					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1003	.165	1909	.01	-.00	100196	.1714	.0444	-.0395	-.0015	-.0004	.0025
1004	.166	1932	-1.84	.00	100172	.0340	.0494	-.0731	-.0017	-.0003	.0016
1005	.166	1939	.03	.00	100166	.1735	.0485	-.0369	-.0012	-.0002	.0001
1006	.166	1942	1.94	.00	100166	.2931	.0440	-.0059	-.0016	-.0002	.0009
1007	.166	1939	3.89	-.00	100169	.4186	.0351	.0310	-.0020	.0001	.0064
1008	.167	1949	5.88	-.00	100156	.5628	.0257	.0644	-.0020	-.0004	.0091
1009	.165	1912	7.86	-.00	100192	.7105	.0174	.1036	-.0022	-.0002	.0054
1010	.166	1932	10.03	-.00	100169	.8610	.0086	.1383	-.0010	.0004	.0093
1011	.166	1925	12.09	-.00	100176	.9718	.0111	.1798	-.0012	-.0000	.0076
1012	.165	1906	14.15	.00	100196	1.0720	.0038	.2325	-.0010	-.0005	.0025
1013	.165	1902	16.11	-.00	100199	1.1774	.0218	.2521	-.0013	.0004	.0065
1014	.164	1879	18.13	.00	100223	1.2943	.0223	.2845	-.0014	-.0001	-.0006
1015	.166	1929	20.16	-.00	100172	1.4451	.0135	.3268	-.0007	.0013	.0141
1016	.164	1886	21.70	-.00	100216	1.5590	.0112	.3610	-.0002	.0002	.0128
1017	.166	1932	.02	-.00	100166	.1717	.0497	-.0377	-.0009	-.0000	.0023

TEST		995		RUN		61			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1003	.0088	0.0000	.9777	8.8223	0.0000	0.0000	0.0000	.0205	.0079
1004	-1.8427	0.0000	.9776	8.8224	0.0000	0.0000	0.0000	.0204	.0077
1005	.0324	0.0000	.9778	8.8222	0.0000	0.0000	0.0000	.0201	.0079
1006	1.9443	0.0000	.9783	8.8217	0.0000	0.0000	0.0000	.0196	.0079
1007	3.8869	0.0000	.9778	8.8222	0.0000	0.0000	0.0000	.0200	.0080
1008	5.8886	0.0000	.9773	8.8227	0.0000	0.0000	0.0000	.0204	.0080
1009	7.8561	0.0000	.9772	8.8228	0.0000	0.0000	0.0000	.0208	.0082
1010	10.0269	0.0000	.9760	8.8240	0.0000	0.0000	0.0000	.0215	.0082
1011	12.0884	0.0000	.9746	8.8254	0.0000	0.0000	0.0000	.0227	.0086
1012	14.1456	0.0000	.9730	8.8270	0.0000	0.0000	0.0000	.0242	.0085
1013	16.1148	0.0000	.9697	8.8303	0.0000	0.0000	0.0000	.0269	.0088
1014	18.1265	0.0000	.9689	8.8311	0.0000	0.0000	0.0000	.0276	.0091
1015	20.1607	0.0000	.9668	8.8332	0.0000	0.0000	0.0000	.0284	.0094
1016	21.6964	0.0000	.9672	8.8328	0.0000	0.0000	0.0000	.0284	.0093
1017	.0206	0.0000	.9791	8.8209	0.0000	0.0000	0.0000	.0190	.0079

TEST		995		RUN		61					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1003	.0088	.1714	.0444	-.0395	.1714	.0160	-.0395	.1714	.0365	-.0395	1.0000
1004	-1.8427	.0356	.0483	-.0731	.0356	.0203	-.0731	.0356	.0407	-.0731	1.0000
1005	.0324	.1735	.0486	-.0369	.1735	.0207	-.0369	.1735	.0408	-.0369	1.0000
1006	1.9443	.2914	.0539	-.0059	.2914	.0264	-.0059	.2914	.0460	-.0059	1.0000
1007	3.8869	.4153	.0634	.0310	.4153	.0353	.0310	.4153	.0554	.0310	1.0000
1008	5.8886	.5572	.0833	.0644	.5572	.0549	.0644	.5572	.0753	.0644	1.0000
1009	7.8561	.7014	.1144	.1036	.7014	.0854	.1036	.7014	.1062	.1036	1.0000
1010	10.0269	.8464	.1584	.1383	.8464	.1287	.1383	.8464	.1502	.1383	1.0000
1011	12.0884	.9479	.2144	.1798	.9479	.1831	.1798	.9479	.2058	.1798	1.0000
1012	14.1456	1.0385	.2657	.2325	1.0385	.2330	.2325	1.0385	.2572	.2325	1.0000
1013	16.1148	1.1251	.3478	.2521	1.1251	.3121	.2521	1.1251	.3390	.2521	1.0000
1014	18.1265	1.2231	.4239	.2845	1.2231	.3871	.2845	1.2231	.4147	.2845	1.0000
1015	20.1607	1.3519	.5107	.3268	1.3519	.4729	.3268	1.3519	.5013	.3268	1.0000
1016	21.6964	1.4444	.5867	.3610	1.4444	.5490	.3610	1.4444	.5774	.3610	1.0000
1017	.0206	.1717	.0497	-.0377	.1717	.0228	-.0377	.1717	.0418	-.0377	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	62				
POINT	MACH	Q N/(INXN)	ALPHA DEG	BETA DEG	P,INF N/(INXN)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1018	.165	1919	.01	-.00	100176	.1705	.0486	-.0382	-.0010	.0006	.0061
1019	.166	1935	.02	-.00	100152	.3454	-.8166	-.1003	-.0013	-.0005	.0115
1020	.166	1939	-1.86	-.00	100149	.1880	-.8202	-.1291	-.0015	-.0005	.0130
1021	.166	1935	.06	-.00	100152	.3524	-.8243	-.1009	-.0021	-.0002	.0073
1022	.166	1925	1.94	-.00	100162	.4901	-.8331	-.0724	-.0008	.0002	.0088
1023	.165	1906	3.92	-.00	100182	.6378	-.8520	-.0391	-.0010	-.0001	.0107
1024	.166	1929	5.95	-.00	100159	.7859	-.8402	-.0042	.0005	-.0006	.0104
1025	.165	1912	7.97	-.00	100175	.9653	-.8578	.0222	.0029	-.0024	.0375
1026	.165	1906	10.02	-.00	100182	1.1607	-.8738	.0438	.0006	.0001	.0105
1027	.165	1912	12.08	-.00	100175	1.3647	-.8907	.0638	.0019	.0010	.0108
1028	.166	1942	14.21	-.00	100145	1.5004	-.8938	.0925	.0012	.0009	.0080
1029	.164	1892	16.16	-.00	100196	1.7767	-.9347	.1184	-.0003	.0016	.0140
1030	.165	1909	18.23	-.00	100179	1.9648	-.9457	.1633	-.0015	.0019	.0114
1031	.164	1889	20.20	-.00	100192	2.1937	-.9708	.1935	-.0031	.0019	.0112
1032	.166	1935	21.62	-.00	100145	2.3557	-.9637	.2132	-.0038	.0024	.0105
1033	.167	1952	.02	-.00	100129	.3469	-.8291	-.1026	-.0017	-.0002	.0095

TEST	995					RUN	62				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C		
1018	.0065	0.0000	.9788	8.8212	0.8000	0.0000	0.0000	.0194	.0080		
1019	.0184	21.3992	2.1126	7.6872	1.1228	.8263	.3220	-1.0104	.0233		
1020	-1.8617	21.4225	2.1153	7.6847	1.1249	.8280	.3225	-1.0104	.0232		
1021	.0560	21.4396	2.1180	7.6820	1.1289	.8309	.3237	-1.0151	.0235		
1022	1.9429	21.4970	2.1300	7.6700	1.1429	.8413	.3276	-1.0308	.0238		
1023	3.9169	21.5389	2.1273	7.6727	1.1569	.8516	.3316	-1.0374	.0241		
1024	5.9484	21.3359	2.1136	7.6864	1.1287	.8309	.3234	-1.0093	.0237		
1025	7.9701	21.3475	2.1117	7.6883	1.1386	.8382	.3263	-1.0120	.0237		
1026	10.0184	21.3819	2.1135	7.6865	1.1453	.8431	.3262	-1.0115	.0237		
1027	12.0809	21.4018	2.1151	7.6849	1.1433	.8417	.3276	-1.0023	.0233		
1028	14.2089	21.4244	2.1187	7.6813	1.1285	.8309	.3233	-.9813	.0227		
1029	16.1637	21.4182	2.1210	7.6790	1.1583	.8527	.3319	-1.0002	.0227		
1030	18.2288	21.4713	2.1259	7.6741	1.1524	.8483	.3304	-.9848	.0220		
1031	20.1991	21.4563	2.1278	7.6722	1.1654	.8581	.3338	-.9849	.0221		
1032	21.6246	21.4956	2.1305	7.6695	1.1398	.8390	.3267	-.9542	.0221		
1033	.0187	21.6080	2.1415	7.6585	1.1399	.8391	.3267	-1.0275	.0239		

TEST	995					RUN	62				
POINT	ALPHA DEG	CL	CO	CH	CL,EQ	CO,EQ	CH,EQ	CL,NOM	CO,NOM	CH,NOM	CMU,NOM
1018	.0065	.1705	.0486	-.0382	.1705	.0212	-.0382	.1705	.0486	-.0382	1.0000
1019	.0184	.3457	-.8165	-.1003	.3453	.2829	.0264	.3457	-.8904	-.1060	1.2000
1020	-1.8617	.1613	-.0259	-.1291	.1978	.2752	-.0022	.1597	-.8975	-.1346	1.2000
1021	.0560	.3532	-.0239	-.1009	.3521	.2815	.0265	.3532	-.8919	-.1059	1.2000
1022	1.9429	.5181	-.8160	-.0724	.4794	.3024	.0566	.5191	-.8702	-.0758	1.2000
1023	3.9169	.6945	-.8065	-.0391	.6155	.3236	.0914	.6956	-.8470	-.0409	1.2000
1024	5.9484	.8687	-.7542	-.0042	.7517	.3447	.1231	.8733	-.8223	-.0093	1.2000
1025	7.9701	1.0749	-.7157	.0222	.9171	.3883	.1506	1.0798	-.7737	.0183	1.2000
1026	10.0184	1.2951	-.6585	.0438	1.0958	.4456	.1730	1.2999	-.7098	.0406	1.2000
1027	12.0809	1.5209	-.5853	.0638	1.2816	.5094	.1928	1.5271	-.6380	.0605	1.2000
1028	14.2089	1.7515	-.4785	.0925	1.4745	.5927	.2198	1.7625	-.5447	.0874	1.2000
1029	16.1637	1.9667	-.4031	.1184	1.6442	.6867	.2491	1.9708	-.4402	.1167	1.2000
1030	18.2288	2.1620	-.2836	.1633	1.8015	.7890	.2934	2.1686	-.3254	.1610	1.2000
1031	20.1991	2.3939	-.1536	.1935	1.9916	.9180	.3250	2.3967	-.1832	.1926	1.2000
1032	21.6246	2.5451	-.0277	.2132	2.1250	1.0098	.3418	2.5574	-.0810	.2094	1.2000
1033	.0187	.3472	-.8290	-.1026	.3468	.2878	.0260	.3472	-.8864	-.1063	1.2000

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		63		63		63		63	
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF		
1034	.167	1955	.02	-.00	100115	.4307	-1.1963	-.1474	-.0022	-.0009	.0129		
1035	.167	1952	-1.84	-.00	100115	.2761	-1.2079	-.1732	-.0022	-.0008	.0111		
1036	.166	1929	.09	-.00	100138	.4440	-1.2247	-.1459	-.0018	.0001	.0262		
1037	.165	1916	1.96	-.00	100152	.5919	-1.2367	-.1208	-.0016	-.0003	.0150		
1038	.167	1945	3.98	-.00	100122	.7365	-1.2283	-.0852	-.0015	-.0003	.0132		
1039	.165	1909	5.89	-.00	100159	.8949	-1.2651	-.0545	-.0000	-.0011	.0144		
1040	.166	1932	7.95	-.00	100128	1.0679	-1.2382	-.0266	.0021	-.0011	.0161		
1041	.164	1892	9.97	-.00	100168	1.2741	-1.2796	-.0083	-.0003	-.0009	.0143		
1042	.165	1909	12.10	-.00	100155	1.4715	-1.2850	.0155	.0010	-.0002	.0086		
1043	.165	1909	14.16	-.00	100145	1.6946	-1.3063	.0412	.0001	-.0002	.0084		
1044	.164	1879	16.17	-.00	100175	1.9096	-1.3492	.0671	-.0002	.0008	.0177		
1045	.163	1866	18.20	-.00	100189	2.1302	-1.3813	.1001	-.0002	.0013	.0123		
1046	.161	1823	20.31	-.00	100232	2.4166	-1.4357	.1134	-.0007	.0025	.0155		
1047	.161	1823	21.60	-.00	100232	2.6237	-1.4545	.1034	-.0017	.0023	.0179		
1048	.167	1949	.06	-.00	100098	.4405	-1.2280	-.1483	-.0019	-.0012	.0119		

TEST		995		RUN		63		63		63		63	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C				
1034	.0243	26.6648	2.6539	7.1461	1.5708	1.1566	.4499	-1.4860	.0293				
1035	-1.8381	26.7059	2.6629	7.1371	1.5824	1.1650	.4534	-1.4959	.0291				
1036	.0853	26.8138	2.6708	7.1292	1.6057	1.1822	.4600	-1.5221	.0298				
1037	1.9564	26.8436	2.6680	7.1320	1.6175	1.1908	.4635	-1.5293	.0302				
1038	3.9827	26.8695	2.6788	7.1212	1.5982	1.1768	.4577	-1.5127	.0301				
1039	5.8908	26.9203	2.6827	7.1173	1.6323	1.2018	.4676	-1.5410	.0305				
1040	7.9498	26.6861	2.6551	7.1449	1.5930	1.1731	.4562	-1.4906	.0297				
1041	9.9660	26.6234	2.6515	7.1485	1.6211	1.1936	.4643	-1.5107	.0298				
1042	12.0993	26.7056	2.6581	7.1419	1.6140	1.1884	.4623	-1.4925	.0288				
1043	14.1575	26.7414	2.6615	7.1385	1.6173	1.1908	.4632	-1.4830	.0282				
1044	16.1736	26.8451	2.6651	7.1349	1.6504	1.2153	.4727	-1.4958	.0280				
1045	18.1981	26.8886	2.6704	7.1296	1.6665	1.2271	.4772	-1.4950	.0274				
1046	20.3079	26.8866	2.6741	7.1259	1.7071	1.2571	.4888	-1.5146	.0274				
1047	21.5980	26.9277	2.6782	7.1218	1.7118	1.2608	.4899	-1.5053	.0272				
1048	.0552	27.0555	2.6878	7.1122	1.6113	1.1865	.4614	-1.5213	.0299				

TEST		995		RUN		63		63		63		63	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM		
1034	.0243	.4312	-1.1962	-.1474	.4305	.3454	.0298	.4311	-1.1213	-.1356	1.5000		
1035	-1.8381	.2372	-1.2161	-.1732	.2880	.3364	.0053	.2409	-1.1295	-.1601	1.5000		
1036	.0853	.4458	-1.2241	-.1459	.4434	.3518	.0352	.4456	-1.1148	-.1302	1.5000		
1037	1.9564	.6337	-1.2158	-.1208	.5785	.3785	.0617	.6286	-1.0953	-.1038	1.5000		
1038	3.9827	.8184	-1.1753	-.0852	.7096	.3891	.0951	.8095	-1.0741	-.0703	1.5000		
1039	5.8908	1.0280	-1.1666	-.0545	.8525	.4266	.1297	1.0030	-1.0323	-.0358	1.5000		
1040	7.9498	1.2289	-1.0786	-.0266	1.0085	.4695	.1532	1.2114	-.9831	-.0123	1.5000		
1041	9.9660	1.4763	-1.0398	-.0083	1.1958	.5271	.1746	1.4496	-.9174	.0091	1.5000		
1042	12.0993	1.7081	-.9481	.0155	1.3698	.6013	.1976	1.6772	-.8328	.0321	1.5000		
1043	14.1575	1.9626	-.8522	.0412	1.5670	.6877	.2237	1.9258	-.7344	.0582	1.5000		
1044	16.1736	2.2098	-.7639	.0671	1.7501	.7932	.2533	2.1586	-.6154	.0878	1.5000		
1045	18.1981	2.4550	-.6469	.1001	1.9346	.9088	.2881	2.3926	-.4845	.1226	1.5000		
1046	20.3079	2.7647	-.5077	.1134	2.1722	1.0659	.3060	2.6813	-.3096	.1405	1.5000		
1047	21.5980	2.9748	-.3866	.1034	2.3447	1.1779	.2965	2.8846	-.1858	.1310	1.5000		
1048	.0552	.4417	-1.2276	-.1483	.4402	.3537	.0335	.4416	-1.1129	-.1320	1.5000		

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TEST		995		7 X 10 HIGH SPEED TUNNEL							
		RUN 64									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1049	.166	1939	.05	-.00	100181	.4362	-1.3981	-.1514	-.0022	-.0006	.0129
1050	.166	1929	-1.82	-.00	100111	.2764	-1.3996	-.1779	-.0021	-.0006	.0143
1051	.166	1939	.03	-.00	100105	.4338	-1.3847	-.1495	-.0017	-.0003	.0115
1052	.165	1912	2.00	-.00	100128	.5947	-1.4013	-.1205	-.0018	-.0001	.0147
1053	.165	1912	3.93	.00	100128	.7411	-1.4012	-.0894	-.0017	-.0010	-.0077
1054	.165	1916	5.90	-.00	100125	.8971	-1.4067	-.0541	.0007	-.0012	.0145
1055	.167	1955	7.92	-.00	100085	1.0687	-1.3906	-.0256	.0026	-.0013	.0152
1056	.165	1906	10.02	-.00	100135	1.2802	-1.4403	-.0082	.0006	-.0011	.0192
1057	.163	1869	12.09	-.00	100172	1.4884	-1.4846	.0123	-.0000	-.0004	.0158
1058	.167	1955	14.19	-.00	100078	1.6888	-1.4398	.0456	.0020	.0005	.0073
1059	.165	1916	16.21	-.00	100118	1.9803	-1.4906	.0707	.0017	.0005	.0138
1060	.165	1899	18.21	-.00	100135	2.1251	-1.5241	.1012	.0008	.0014	.0136
1061	.165	1906	20.19	.00	100128	2.3821	-1.5404	.1167	-.0005	.0005	-.0038
1062	.165	1902	21.57	-.00	100131	2.6142	-1.5598	.1137	-.0018	.0027	.0136
1063	.167	1949	.05	-.00	100078	.4387	-1.3774	-.1484	-.0022	-.0008	.0138
1064	.166	1929	.02	.00	100098	.1707	.0395	-.0411	-.0013	-.0003	.0012

NASA LANGLEY											
995			7 X 10 HIGH SPEED TUNNEL								
TEST	RUN 64										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA, T DEG	CT	CMU, N	CMU, J	CD, N	CD, C		
1049	.0464	28.8565	2.9061	6.8939	1.7855	1.3149	.5112	-1.7269	.0332		
1050	-1.8188	28.7544	2.8959	6.9041	1.7854	1.3148	.5112	-1.7258	.0329		
1051	.0347	28.6856	2.8872	6.9128	1.7701	1.3035	.5068	-1.7098	.0330		
1052	2.0033	28.6233	2.8839	6.9161	1.7900	1.3182	.5125	-1.7298	.0336		
1053	3.9256	28.5834	2.8752	6.9248	1.7849	1.3143	.5111	-1.7189	.0335		
1054	5.9039	28.5162	2.8672	6.9328	1.7751	1.3070	.5085	-1.7034	.0334		
1055	7.9210	28.5271	2.8733	6.9267	1.7423	1.2831	.4988	-1.6665	.0326		
1056	10.0238	28.6177	2.8714	6.9286	1.7921	1.3195	.5133	-1.6991	.0328		
1057	12.0923	28.5965	2.8756	6.9244	1.8276	1.3460	.5231	-1.7245	.0327		
1058	14.1851	28.6217	2.8808	6.9192	1.7489	1.2877	.5009	-1.6377	.0305		
1059	16.2081	28.6706	2.8839	6.9161	1.7890	1.3174	.5123	-1.6590	.0303		
1060	18.2141	28.6767	2.8838	6.9162	1.8050	1.3291	.5169	-1.6556	.0298		
1061	20.1876	28.7038	2.8822	6.9178	1.8081	1.3255	.5155	-1.6286	.0291		
1062	21.5651	28.7005	2.8869	6.9131	1.8044	1.3286	.5167	-1.6207	.0288		
1063	.0468	28.7800	2.8949	6.9851	1.7678	1.3816	.5063	-1.7077	.0327		
1064	.0157	0.0000	.9592	8.8408	0.0008	8.0880	8.0000	.0371	.0064		

TEST		995			RUN			64			
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CMU,NOM
1049	.0464	.4373	-1.3977	-.1514	.4358	.3546	.0580	.4373	-1.4054	-.1485	1.8000
1050	-1.8188	.2318	-1.4076	-.1779	.2885	.3440	.0236	.2326	-1.4151	-.1750	1.8000
1051	.0347	.4347	-1.3844	-.1495	.4336	.3526	.0502	.4347	-1.4074	-.1484	1.8000
1052	2.0033	.6433	-1.3796	-.1205	.5807	.3757	.0814	.6423	-1.3832	-.1171	1.8000
1053	3.9256	.8353	-1.3472	-.0894	.7131	.4800	.1120	.8336	-1.3559	-.0866	1.8000
1054	5.9039	1.0370	-1.3070	-.0541	.8544	.4253	.1462	1.0355	-1.3254	-.0524	1.8000
1055	7.9210	1.2502	-1.2301	-.0256	1.0101	.4638	.1710	1.2526	-1.2802	-.0276	1.8000
1056	10.0238	1.5114	-1.1955	-.0082	1.1994	.5365	.1940	1.5058	-1.1967	-.0046	1.8000
1057	12.0923	1.7664	-1.1398	.0123	1.3835	.6145	.2185	1.7522	-1.1065	.0200	1.8000
1058	14.1851	1.9901	-.9821	.0456	1.5615	.6829	.2429	1.9928	-1.0234	.0443	1.8000
1059	16.2081	2.2408	-.9010	.0707	1.7414	.7867	.2725	2.2327	-.9033	.0740	1.8000
1060	18.2141	2.4950	-.7835	.1012	1.9308	.9012	.3048	2.4810	-.7706	.1063	1.8000
1061	20.1876	2.7673	-.6237	.1167	2.1461	1.0366	.3198	2.7535	-.6152	.1212	1.8000
1062	21.5651	3.0045	-.4898	.1137	2.3413	1.1594	.3173	2.9882	-.4774	.1187	1.8000
1063	.0468	.4399	-1.3771	-.1484	.4384	.3588	.0511	.4398	-1.4020	-.1475	1.8000
1064	.0157	.1706	.0395	-.0411	.1706	-.0068	-.0411	.1706	.0311	-.0411	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(INXN)	ALPHA DEG	BETA DEG	P,INF N/(INXN)	CNF	CAF	CPIH	CRM,B	CYM,B	CSF
1067	.166	1935	.01	-.00	99807	.1297	.0580	-.0459	-.0010	-.0003	.0044
1068	.166	1925	-1.85	-.00	99817	-.0179	.0659	-.0735	-.0009	-.0003	.0036
1069	.166	1915	.01	-.00	99827	.1346	.0591	-.0471	-.0011	-.0001	.0069
1070	.168	1962	1.91	-.00	99780	.2741	.0502	-.0205	-.0020	-.0005	.0051
1071	.167	1945	3.87	-.00	99797	.4043	.0406	.0133	-.0010	-.0004	.0055
1072	.166	1929	5.83	-.00	99813	.5490	.0239	.0535	-.0013	-.0001	.0089
1073	.166	1929	7.89	-.00	99810	.6890	.0047	.0883	-.0022	-.0006	.0074
1074	.166	1932	9.95	-.00	99810	.8184	-.0180	.1245	-.0021	-.0010	.0091
1075	.165	1912	12.07	-.00	99823	.9552	-.0395	.1684	-.0008	-.0011	.0084
1076	.164	1886	14.13	-.00	99853	1.1008	-.0491	.2074	-.0011	-.0010	.0081
1077	.165	1896	16.14	-.00	99843	1.2115	-.0586	.2531	-.0011	-.0012	.0204
1078	.165	1909	18.14	-.00	99827	1.2982	-.0497	.3093	-.0025	-.0010	.0121
1080	.165	1909	20.18	.00	99827	1.4056	-.0264	.3304	-.0015	-.0008	.0023
1081	.165	1912	21.57	-.00	99823	1.5277	-.0282	.3505	-.0001	-.0006	.0105
1082	.167	1945	.04	-.00	99790	.1324	.0612	-.0460	-.0004	-.0000	.0054

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1067	.0102	.0415	.9777	8.8223	0.0000	0.0000	0.0000	.0202	.0076		
1068	-1.8487	0.0000	.9788	8.8212	0.0000	0.0000	0.0000	.0193	.0077		
1069	.0127	0.0000	.9782	8.8218	0.0000	0.0000	0.0000	.0199	.0077		
1070	1.9078	.0434	.9785	8.8215	0.0000	0.0000	0.0000	.0192	.0076		
1071	3.8710	0.0000	.9785	8.8215	0.0000	0.0000	0.0000	.0193	.0076		
1072	5.8332	0.0000	.9782	8.8218	0.0000	0.0000	0.0000	.0197	.0076		
1073	7.8933	0.0000	.9776	8.8224	0.0000	0.0000	0.0000	.0201	.0077		
1074	9.9530	0.0000	.9772	8.8228	0.0000	0.0000	0.0000	.0204	.0078		
1075	12.0695	0.0000	.9759	8.8241	0.0000	0.0000	0.0000	.0216	.0083		
1076	14.1322	0.0000	.9749	8.8251	0.0000	0.0000	0.0000	.0227	.0086		
1077	16.1414	0.0000	.9753	8.8247	0.0000	0.0000	0.0000	.0219	.0083		
1078	18.1357	0.0000	.9729	8.8271	0.0000	0.0000	0.0000	.0236	.0075		
1080	20.1759	0.0000	.9696	8.8304	0.0000	0.0000	0.0000	.0262	.0084		
1081	21.5726	0.0000	.9681	8.8319	0.0000	0.0000	0.0000	.0272	.0088		
1082	.0382	0.0000	.9797	8.8203	0.0000	0.0000	0.0000	.0182	.0077		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1067	.0102	.1297	.0580	-.0459	.1297	.0301	-.0459	.1297	.0504	-.0459	1.0000
1068	-1.8487	-.0158	.0664	-.0735	-.0158	.0395	-.0735	-.0158	.0587	-.0735	1.0000
1069	.0127	.1346	.0592	-.0471	.1346	.0316	-.0471	.1346	.0515	-.0471	1.0000
1070	1.9078	.2722	.0593	-.0205	.2722	.0325	-.0205	.2722	.0517	-.0205	1.0000
1071	3.8710	.4006	.0678	.0133	.4006	.0409	.0133	.4006	.0602	.0133	1.0000
1072	5.8332	.5437	.0796	.0535	.5437	.0523	.0535	.5437	.0720	.0535	1.0000
1073	7.8933	.6819	.0992	.0883	.6819	.0714	.0883	.6819	.0915	.0883	1.0000
1074	9.9530	.8092	.1237	.1245	.8092	.0955	.1245	.8092	.1159	.1245	1.0000
1075	12.0695	.9423	.1611	.1684	.9423	.1312	.1684	.9423	.1528	.1684	1.0000
1076	14.1322	1.0794	.2212	.2074	1.0794	.1899	.2074	1.0794	.2126	.2074	1.0000
1077	16.1414	1.1778	.2882	.2531	1.1778	.2580	.2531	1.1778	.2799	.2531	1.0000
1078	18.1357	1.2492	.3569	.3093	1.2492	.3257	.3093	1.2492	.3494	.3093	1.0000
1080	20.1759	1.3285	.4681	.3304	1.3285	.4255	.3304	1.3285	.4517	.3304	1.0000
1081	21.5726	1.4311	.5355	.3505	1.4311	.4995	.3505	1.4311	.5266	.3505	1.0000
1082	.0382	.1324	.0613	-.0460	.1324	.0354	-.0460	.1324	.0536	-.0460	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 66									
POINT	MACH	Q N/(MKM)	ALPHA DEG	BETA DEG	P,INF N/(MKM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1083	.166	1919	.02	.00	99810	.1355	.0600	-.0466	-.0008	-.0004	.0008
1084	.166	1919	.05	-.00	99810	.3990	-1.4180	-.1585	-.0014	-.0004	.0151
1085	.167	1939	-1.83	-.00	99790	.2162	-1.3978	-.1771	-.0016	.0001	.0178
1086	.166	1925	.05	-.00	99803	.4009	-1.4180	-.1593	-.0014	-.0001	.0163
1087	.165	1906	1.97	-.00	99823	.5794	-1.4438	-.1343	-.0012	-.0006	.0180
1088	.165	1909	3.92	-.00	99820	.7283	-1.4529	-.1085	-.0006	-.0006	.0183
1089	.164	1876	5.91	-.00	99853	.8894	-1.4936	-.0747	-.0000	-.0004	.0180
1090	.163	1866	7.96	-.00	99863	1.0434	-1.5208	-.0434	.0005	-.0004	.0198
1091	.164	1889	10.01	-.00	99840	1.1976	-1.5212	-.0089	.0005	-.0008	.0177
1092	.163	1866	12.11	-.00	99863	1.3892	-1.5632	.0197	.0018	-.0017	.0177
1093	.166	1919	14.22	-.00	99810	1.5927	-1.5452	.0458	.0035	-.0010	.0151
1094	.165	1909	16.19	-.00	99820	1.7844	-1.5759	.0732	.0027	-.0007	.0160
1095	.167	1939	19.23	-.00	99790	2.0786	-1.5972	.1274	.0015	.0024	-.0050
1096	.167	1942	21.21	-.00	99797	2.2743	-1.6229	.1573	.0016	.0024	.0181
1097	.167	1939	21.80	-.00	99790	2.3443	-1.6369	.1664	.0025	.0023	.0133
1098	.167	1955	.04	-.00	99766	.3971	-1.4077	-.1585	-.0012	-.0001	.0139
1099	.166	1929	.01	-.00	99793	.1312	.0485	-.0487	-.0009	-.0002	.0022

TEST	995	RUN 66							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1083	.0221	0.0000	.9800	8.8200	0.0000	0.0000	0.0000	.0183	.0077
1084	.0549	29.6882	2.9398	6.4602	1.8548	1.3658	.5311	-1.7705	.0329
1085	-1.8286	29.6646	2.9422	6.8578	1.8386	1.3542	.5262	-1.7533	.0322
1086	.0481	29.6843	2.9419	6.8581	1.8531	1.3646	.5306	-1.7662	.0328
1087	1.9733	29.6637	2.9471	6.8529	1.8737	1.3798	.5365	-1.7886	.0333
1088	3.9192	29.7043	2.9477	6.8523	1.8742	1.3802	.5365	-1.7829	.0335
1089	5.9131	29.6965	2.9484	6.8516	1.9087	1.4058	.5462	-1.8101	.0341
1090	7.9579	29.7034	2.9471	6.8529	1.9185	1.4128	.5493	-1.8109	.0341
1091	10.0122	29.7112	2.9503	6.8497	1.8977	1.3977	.5431	-1.7810	.0336
1092	12.1096	29.7267	2.9548	6.8452	1.9235	1.4167	.5506	-1.7948	.0333
1093	14.2220	29.7407	2.9542	6.8458	1.8713	1.3781	.5357	-1.7290	.0314
1094	16.1934	29.7652	2.9581	6.8419	1.8847	1.3880	.5395	-1.7254	.0308
1095	19.2271	29.7685	2.9545	6.8455	1.8550	1.3663	.5309	-1.6668	.0297
1096	21.2087	29.7663	2.9558	6.8442	1.8519	1.3639	.5301	-1.6442	.0285
1097	21.7971	29.8142	2.9555	6.8445	1.8584	1.3688	.5319	-1.6400	.0282
1098	.0436	29.8031	2.9611	6.8389	1.8440	1.3581	.5279	-1.7559	.0327
1099	.0102	0.0000	.9683	8.8317	0.0000	0.0000	0.0000	.0288	.0077

TEST	995	RUN 66									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1083	.0221	.1355	-.0601	-.0466	.1355	.0341	-.0466	.1355	.0524	-.0466	1.0000
1084	.0549	.4804	-1.4176	-.1585	.3986	.4043	.0507	.4003	-1.3557	-.1478	1.0000
1085	-1.8286	.1715	-1.4040	-.1771	.2302	.4015	.0303	.1740	-1.3576	-.1682	1.0000
1086	.0481	.4021	-1.4176	-.1593	.4005	.4027	.0498	.4020	-1.3573	-.1488	1.0000
1087	1.9733	.6287	-1.4230	-.1343	.5642	.4164	.0771	.6248	-1.3426	-.1215	1.0000
1088	3.9192	.8259	-1.3997	-.1085	.6978	.4367	.1029	.8181	-1.3192	-.0956	1.0000
1089	5.9131	1.0385	-1.3940	-.0747	.8419	.4704	.1406	1.0232	-1.2802	-.0579	1.0000
1090	7.9579	1.2439	-1.3617	-.0434	.9783	.5042	.1730	1.2219	-1.2388	-.0255	1.0000
1091	10.0122	1.4439	-1.2898	-.0089	1.1139	.5454	.2052	1.4199	-1.1878	.0067	1.0000
1092	12.1096	1.6863	-1.2370	.0197	1.2827	.6184	.2367	1.6520	-1.1104	.0381	1.0000
1093	14.2220	1.9235	-1.1065	.0458	1.4637	.6761	.2569	1.8961	-1.0300	.0584	1.0000
1094	16.1934	2.1531	-.0157	.0732	1.6275	.7633	.2858	2.1183	-.9269	.0873	1.0000
1095	19.2271	2.4886	-.8236	.1274	1.8777	.8983	.3367	2.4573	-.7636	.1381	1.0000
1096	21.2087	2.7074	-.6903	.1573	2.0374	1.0077	.3663	2.6741	-.6331	.1677	1.0000
1097	21.7971	2.7845	-.6494	.1664	2.0944	1.0480	.3760	2.7480	-.5862	.1775	1.0000
1098	.0436	.3981	-1.4074	-.1585	.3967	.4039	.0495	.3981	-1.3561	-.1490	1.0000
1099	.0102	.1311	.0486	-.0487	.1311	.0121	-.0487	.1311	.0488	-.0487	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(INXN)	ALPHA DEG	BETA DEG	P,INF N/(INXN)	RUN 67					
						CNF	CAF	CPN	CRM,B	CYM,B	CSF
1102	.167	1935	.00	.00	99712	.0571	.0782	-.0397	-.0007	.0015	-.0204
1103	.166	1919	-1.83	.00	99729	-.0783	.0896	-.0701	-.0011	.0016	-.0191
1104	.167	1935	.03	.00	99788	.0594	.0793	-.0401	-.0009	.0017	-.0203
1105	.167	1939	1.94	.00	99782	.2002	.0681	-.0133	-.0015	.0014	-.0196
1106	.166	1925	3.89	.00	99715	.3467	.0551	.0107	-.0028	.0012	-.0154
1107	.168	1958	5.86	.00	99678	.5002	.0350	.0413	-.0024	.0014	-.0157
1108	.167	1935	7.89	.00	99698	.6578	.0073	.0777	-.0629	.0013	-.0161
1109	.166	1919	9.99	.00	99715	.7906	-.0178	.1086	-.0021	.0012	-.0171
1110	.166	1919	12.11	.00	99712	.9258	-.0451	.1508	-.0034	.0009	-.0136
1111	.165	1892	14.18	.00	99738	1.0507	-.0724	.1995	-.0036	.0008	-.0199
1112	.165	1899	16.15	.00	99732	1.1764	-.0980	.2423	-.0056	.0011	-.0136
1113	.165	1896	18.15	.00	99735	1.2842	-.1311	.2928	-.0020	.0008	-.0133
1114	.165	1899	20.17	.00	99732	1.4853	-.1287	.3397	-.0017	.0012	-.0128
1115	.166	1925	21.64	.00	99702	1.4758	-.1113	.3836	-.0024	.0013	-.0118
1116	.166	1922	.02	.00	99705	.0599	.0825	-.0395	-.0007	.0013	-.0183

TEST		995		RUN		67			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CO,C
1102	.0031	0.0000	.9774	8.8226	0.0000	0.0000	0.0000	.0204	.0078
1103	-1.8343	0.0000	.9790	8.1210	0.0000	0.0000	0.0000	.0191	.0079
1104	.0310	0.0000	.9787	8.8213	0.0000	0.0000	0.0000	.0193	.0079
1105	1.9411	0.0000	.9783	8.8217	0.0000	0.0000	0.0000	.0196	.0077
1106	3.8897	0.0000	.9773	8.8227	0.0000	0.0000	0.0000	.0206	.0078
1107	5.8561	0.0000	.9782	8.8218	0.0000	0.0000	0.0000	.0193	.0080
1108	7.8867	0.0000	.9784	8.8216	0.0000	0.0000	0.0000	.0193	.0080
1109	9.9900	0.0000	.9765	8.8235	0.0000	0.0000	0.0000	.0211	.0081
1110	12.1100	0.0000	.9754	8.8246	0.0000	0.0000	0.0000	.0219	.0085
1111	14.1796	0.0000	.9749	8.8251	0.0000	0.0000	0.0000	.0225	.0089
1112	16.1474	0.0000	.9741	8.8259	0.0000	0.0000	0.0000	.0229	.0086
1113	18.1531	0.0000	.9739	8.8261	0.0000	0.0000	0.0000	.0229	.0084
1114	20.1691	0.0000	.9733	8.8267	0.0000	0.0000	0.0000	.0231	.0081
1115	21.6415	0.0000	.9702	8.8298	0.0000	0.0000	0.0000	.0252	.0072
1116	.0241	0.0000	.9795	8.8205	0.0000	0.0000	0.0000	.0187	.0078

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
1102	.0031	.0571	.0782	-.0397	.0571	.0500	-.0397	.0571	.0704	-.0397	1.0000
1103	-1.8343	-.0754	.0921	-.0701	-.0754	.0651	-.0701	-.0754	.0842	-.0701	1.0000
1104	.0310	.0593	.0793	-.0401	.0593	.0522	-.0401	.0593	.0714	-.0401	1.0000
1105	1.9411	.1977	.0748	-.0133	.1977	.0475	-.0133	.1977	.0671	-.0133	1.0000
1106	3.8897	.3422	.0785	.0107	.3422	.0501	.0107	.3422	.0707	.0107	1.0000
1107	5.8561	.4948	.0858	.0413	.4948	.0585	.0413	.4948	.0779	.0413	1.0000
1108	7.8867	.6506	.0975	.0777	.6506	.0702	.0777	.6506	.0895	.0777	1.0000
1109	9.9900	.7817	.1196	.1086	.7817	.0903	.1086	.7817	.1115	.1086	1.0000
1110	12.1100	.9146	.1502	.1508	.9146	.1197	.1508	.9146	.1416	.1508	1.0000
1111	14.1796	1.0364	.1872	.1995	1.0364	.1559	.1995	1.0364	.1783	.1995	1.0000
1112	16.1474	1.1573	.2330	.2423	1.1573	.2016	.2423	1.1573	.2244	.2423	1.0000
1113	18.1531	1.2612	.2756	.2928	1.2612	.2443	.2928	1.2612	.2672	.2928	1.0000
1114	20.1691	1.3635	.3637	.3397	1.3635	.3325	.3397	1.3635	.3556	.3397	1.0000
1115	21.6415	1.4128	.4408	.3836	1.4128	.4085	.3836	1.4128	.4337	.3836	1.0000
1116	.0241	.0598	.0825	-.0395	.0598	.0561	-.0395	.0598	.0748	-.0395	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	68				
POINT	HACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1118	.166	1915	.01	.00	99705	.0601	.0806	-.0393	-.0008	.0014	-.0218
1120	.167	1945	.04	.00	99665	.3134	-1.3627	-.1458	-.0020	.0001	-.0030
1121	.167	1955	-1.85	.00	99654	.1196	-1.3491	-.1653	-.0016	.0004	-.0027
1122	.165	1906	.04	.00	99705	.3236	-1.3980	-.1467	-.0009	.0004	-.0056
1123	.165	1909	1.96	.00	99698	.4954	-1.4083	-.1268	-.0017	.0003	-.0049
1124	.165	1909	3.93	.00	99698	.6714	-1.4187	-.1032	-.0010	.0003	-.0035
1125	.165	1906	5.93	.00	99698	.8466	-1.4490	-.0793	-.0018	-.0003	-.0040
1126	.167	1935	7.93	.00	99671	.9978	-1.4441	-.0458	-.0010	-.0002	-.0047
1127	.166	1912	10.01	.00	99695	1.1559	-1.4883	-.0149	-.0018	.0000	-.0060
1128	.164	1873	12.10	.00	99735	1.3198	-1.5436	.0157	-.0004	-.0000	-.0060
1129	.167	1935	14.23	.00	99675	1.4810	-1.5250	.0505	-.0007	.0000	-.0073
1130	.166	1912	16.19	.00	99698	1.6575	-1.5738	.0830	-.0010	-.0003	-.0022
1131	.167	1944	18.21	.00	99661	1.8373	-1.5751	.1195	-.0010	-.0005	-.0018
1132	.167	1935	20.24	.00	99678	2.0376	-1.6164	.1400	.0001	.0004	-.0040
1133	.167	1948	21.70	.00	99665	2.1938	-1.6360	.1706	.0017	.0006	-.0065
1134	.167	1935	.04	.00	99675	.3149	-1.3830	-.1400	-.0018	.0003	-.0064
1135	.166	1925	.02	.00	99685	.0596	.0656	-.0414	.0018	.0016	-.0202

TEST	995					RUN	68			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
1118	.0126	0.0000	.9795	8.4204	0.0000	0.0000	0.0000	.0186	.0078	
1120	.0404	29.3407	2.9309	6.8692	1.8134	1.3359	.5187	-1.7358	.0323	
1121	-1.8546	29.3390	2.9345	6.8655	1.8056	1.3299	.5167	-1.7293	.0318	
1122	.0385	29.3497	2.9365	6.8635	1.8549	1.3663	.5307	-1.7779	.0329	
1123	1.9567	29.3483	2.9374	6.8626	1.8524	1.3646	.5299	-1.7744	.0332	
1124	3.9270	29.3637	2.9378	6.8622	1.8535	1.3653	.5303	-1.7716	.0334	
1125	5.9284	29.3805	2.9442	6.8558	1.8605	1.3786	.5321	-1.7753	.0334	
1126	7.9329	29.3833	2.9417	6.8583	1.8305	1.3483	.5238	-1.7379	.0331	
1127	10.0098	29.3895	2.9420	6.8580	1.8538	1.3657	.5303	-1.7496	.0333	
1128	12.1035	29.4009	2.9406	6.8594	1.8936	1.3950	.5416	-1.7732	.0334	
1129	14.2268	29.3969	2.9423	6.8577	1.8322	1.3497	.5242	-1.7014	.0318	
1130	16.1881	29.4398	2.9438	6.8562	1.8580	1.3689	.5314	-1.7077	.0317	
1131	18.2074	29.4385	2.9424	6.8576	1.8225	1.3426	.5213	-1.6559	.0306	
1132	20.2436	29.5098	2.9544	6.8456	1.8422	1.3570	.5270	-1.6572	.0304	
1133	21.7026	29.4434	2.9445	6.8555	1.8238	1.3437	.5216	-1.6215	.0293	
1134	.0427	29.4687	2.9446	6.8554	1.8373	1.3534	.5257	-1.7574	.0327	
1135	.0195	0.0000	.9709	8.8291	0.0000	0.0000	0.0000	.0265	.0078	

TEST	995					RUN	68				
POINT	ALPHA DEG	CL	CD	CM	CL,FQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1118	.0126	.0601	.0887	-.0393	.0601	.0542	-.0393	.0601	.0728	-.0393	1.0000
1120	.0404	.3144	-1.3625	-.1458	.7131	.4186	.0587	.3143	-1.3414	-.1398	1.0000
1121	-1.8546	.0759	-1.3523	-.1653	.1343	.4206	.0384	.0774	-1.3385	-.1602	1.0000
1122	.0385	.3245	-1.3978	-.1467	.3233	.4242	.0625	.3244	-1.3358	-.1360	1.0000
1123	1.9567	.5432	-1.3986	-.1268	.4799	.4276	.0822	.5400	-1.3314	-.1163	1.0000
1124	3.9270	.7669	-1.3694	-.1032	.6400	.4463	.1059	.7605	-1.3096	-.0927	1.0000
1125	5.9284	.9918	-1.3538	-.0793	.7996	.4633	.1306	.9814	-1.2873	-.0680	1.0000
1126	7.9329	1.1875	-1.2926	-.0458	.9349	.4873	.1608	1.1778	-1.2558	-.0378	1.0000
1127	10.0098	1.3978	-1.2647	-.0149	1.0748	.5276	.1942	1.3807	-1.2056	-.0043	1.0000
1128	12.1035	1.6142	-1.2325	.0157	1.2171	.5856	.2293	1.5861	-1.1353	.0308	1.0000
1129	14.2268	1.8103	-1.1143	.0505	1.3681	.6299	.2572	1.7926	-.0761	.0586	1.0000
1130	16.1881	2.0305	-1.0493	.0830	1.5125	.7034	.2927	2.0032	-.0869	.0941	1.0000
1131	18.2074	2.2375	-.9222	.1195	1.6681	.7784	.3251	2.2180	-.0935	.1266	1.0000
1132	20.2436	2.4711	-.8115	.1460	1.8337	.8864	.3538	2.4426	-.0768	.1552	1.0000
1133	21.7026	2.6433	-.7088	.1706	1.9688	.9564	.3763	2.6197	-.0788	.1778	1.0000
1134	.0427	.3159	-1.3828	-.1480	.3146	.4218	.0593	.3159	-1.3382	-.1393	1.0000
1135	.0195	.0595	.0657	-.0414	.0595	.0313	-.0414	.0595	.0578	-.0414	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		69					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1147	.166	1929	.01	-.00	100301	.3243	.0947	-.1156	.0002	.0004	.0018
1148	.165	1919	-1.85	-.00	100311	.1730	.1002	-.1407	-.0004	.0002	.0044
1149	.166	1925	.03	-.00	100304	.3250	.0954	-.1138	-.0001	.0002	.0053
1150	.165	1922	1.94	-.00	100308	.4770	.0802	-.0921	-.0008	.0005	-.0027
1151	.165	1909	3.90	-.00	100318	.6280	.0593	-.0676	-.0002	.0005	-.0019
1152	.165	1902	5.90	-.00	100324	.7756	.0336	-.0336	-.0005	.0005	-.0006
1153	.165	1902	7.95	-.00	100321	.9143	.0089	.0019	-.0004	.0003	.0014
1154	.166	1925	9.98	-.00	100298	1.0259	-.0170	.0453	-.0019	.0000	.0013
1155	.165	1922	12.13	-.00	100301	1.1275	-.0490	.0963	-.0025	-.0007	.0067
1156	.165	1919	14.17	-.00	100308	1.2329	-.0801	.1502	-.0019	-.0004	.0108
1157	.165	1919	16.18	-.00	100304	1.3379	-.1078	.2054	-.0010	-.0009	.0071
1158	.165	1912	18.18	-.00	100314	1.4442	-.1181	.2527	.0001	.0004	.0080
1159	.165	1919	20.15	-.00	100300	1.5394	-.1006	.3051	-.0008	-.0000	.0090
1160	.164	1883	21.63	-.00	100344	1.5969	-.0884	.3393	-.0014	-.0001	.0122
1161	.165	1919	.04	-.00	100300	.3225	.0954	-.1159	-.0003	-.0000	.0030

TEST		995		RUN		69					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,H	CHU,J	CD,N	CD,C		
1147	.0125	0.0000	.9789	26.6422	0.0000	0.0000	0.0000	.0203	.0081		
1148	-1.8455	0.0000	.9810	26.6380	0.0000	0.0000	0.0000	.0184	.0082		
1149	.0334	0.0000	.9819	26.6361	0.0000	0.0000	0.0000	.0174	.0081		
1150	1.9426	0.0000	.9829	26.6343	0.0000	0.0000	0.0000	.0166	.0080		
1151	3.9848	0.0000	.9831	26.6338	0.0000	0.0000	0.0000	.0164	.0079		
1152	5.9845	0.0000	.9838	26.6324	0.0000	0.0000	0.0000	.0158	.0078		
1153	7.9456	0.0000	.9854	26.6292	0.0000	0.0000	0.0000	.0141	.0078		
1154	9.9843	0.0000	.9854	26.6291	0.0000	0.0000	0.0000	.0139	.0080		
1155	12.1295	0.0000	.9858	26.6283	0.0000	0.0000	0.0000	.0134	.0080		
1156	14.1662	0.0000	.9852	26.6296	0.0000	0.0000	0.0000	.0139	.0077		
1157	16.1763	0.0000	.9851	26.6299	0.0000	0.0000	0.0000	.0139	.0073		
1158	18.1755	0.0000	.9852	26.6296	0.0000	0.0000	0.0000	.0137	.0072		
1159	20.1495	0.0000	.9828	26.6345	0.0000	0.0000	0.0000	.0157	.0064		
1160	21.6279	0.0000	.9836	26.6329	0.0000	0.0000	0.0000	.0151	.0069		
1161	.0447	0.0000	.9900	26.6199	0.0000	0.0000	0.0000	.0096	.0083		

TEST		995		RUN		69					
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CHU,NOM
1147	.0125	.3243	.0948	-.1156	.3243	.0663	-.1156	.3243	.0866	-.1156	1.0000
1148	-1.8455	.1761	.0946	-.1407	.1761	.0680	-.1407	.1761	.0864	-.1407	1.0000
1149	.0334	.3249	.0956	-.1138	.3249	.0700	-.1138	.3249	.0874	-.1138	1.0000
1150	1.9426	.4740	.0963	-.0921	.4740	.0718	-.0921	.4740	.0883	-.0921	1.0000
1151	3.9848	.6225	.1020	-.0676	.6225	.0776	-.0676	.6225	.0941	-.0676	1.0000
1152	5.9845	.7680	.1132	-.0336	.7680	.0897	-.0336	.7680	.1054	-.0336	1.0000
1153	7.9456	.9043	.1352	.0019	.9043	.1133	.0019	.9043	.1274	.0019	1.0000
1154	9.9843	1.0133	.1611	.0453	1.0133	.1392	.0453	1.0133	.1530	.0453	1.0000
1155	12.1295	1.1126	.1890	.0963	1.1126	.1676	.0963	1.1126	.1810	.0963	1.0000
1156	14.1662	1.2150	.2240	.1502	1.2150	.2024	.1502	1.2150	.2163	.1502	1.0000
1157	16.1763	1.3150	.2692	.2054	1.3150	.2481	.2054	1.3150	.2620	.2054	1.0000
1158	18.1755	1.4089	.3383	.2527	1.4089	.3175	.2527	1.4089	.3311	.2527	1.0000
1159	20.1495	1.4799	.4359	.3051	1.4799	.4138	.3051	1.4799	.4295	.3051	1.0000
1160	21.6279	1.5170	.5064	.3393	1.5170	.4844	.3393	1.5170	.4995	.3393	1.0000
1161	.0447	.3224	.0956	-.1159	.3224	.0777	-.1159	.3224	.0873	-.1159	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P.INF N/(HXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1162	.165	1922	.02	-.00	100291	.3302	.0899	-.1158	.0000	.0008	-.0027
1163	.165	1919	.02	-.00	100294	.3143	.0876	-.1144	.0002	.0003	.0030
1164	.165	1922	.06	-.00	100294	1.0560	-1.5141	-.5238	.0017	-.0005	.0115
1165	.166	1945	-1.82	-.00	100271	.8796	-1.4911	-.5440	.0017	-.0010	.0113
1166	.166	1945	.08	-.00	100271	1.0504	-1.4974	-.5186	.0010	-.0007	.0126
1167	.167	1958	2.00	-.00	100261	1.2202	-1.5034	-.4945	.0013	-.0005	.0180
1168	.166	1942	3.96	-.00	100281	1.3916	-1.5410	-.4804	-.0005	-.0021	.0112
1169	.165	1912	5.94	-.00	100311	1.5609	-1.5873	-.4592	.0019	-.0009	.0062
1170	.165	1916	7.99	-.00	100311	1.7083	-1.6095	-.4260	.0024	-.0004	.0058
1171	.167	1949	10.05	-.00	100278	1.8477	-1.6100	-.3843	.0014	-.0006	.0076
1172	.166	1925	12.14	-.00	100304	2.0035	-1.6601	-.3543	.0006	-.0007	.0084
1173	.166	1942	14.23	-.00	100288	2.1517	-1.6803	-.3129	-.0004	-.0010	.0103
1174	.167	1952	16.22	-.00	100281	2.2871	-1.6998	-.2648	.0008	-.0002	.0102
1175	.166	1942	18.22	-.00	100291	2.4453	-1.7213	-.2230	.0033	-.0000	.0148
1176	.167	1952	20.21	-.00	100281	2.6090	-1.7167	-.1849	.0039	.0009	.0109
1177	.167	1958	21.71	-.00	100278	2.7671	-1.7269	-.1623	.0052	.0015	.0133
1178	.167	1962	.07	-.00	100271	1.0368	-1.4784	-.5188	.0022	-.0007	.0063
1179	.166	1935	.02	-.00	100301	.3241	.0753	-.1188	-.0000	.0006	.0054

NASA LANGLEY											
TEST 995			70								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CO,N	CO,C		
1162	.0175	.9890	.9910	26.6181	0.0000	0.0000	0.0000	.0087	.0081		
1163	.0188	0.0000	.9909	26.6183	0.0000	0.0000	0.0000	.0089	.0079		
1164	.0563	29.1862	2.9771	22.6458	1.8183	1.5918	.2597	-1.9121	.0184		
1165	-1.8236	29.1779	2.9770	22.6461	1.7906	1.5745	.2568	-1.8879	.0180		
1166	.0822	29.1575	2.9815	22.6370	1.7931	1.5768	.2571	-1.8932	.0184		
1167	2.0032	29.1178	2.9759	22.6481	1.7795	1.5648	.2552	-1.8738	.0184		
1168	3.9577	29.1085	2.9768	22.6464	1.7964	1.5796	.2576	-1.8876	.0190		
1169	5.9406	29.0478	2.9784	22.6432	1.8232	1.6032	.2615	-1.9133	.0195		
1170	7.9850	29.0341	2.9783	22.6435	1.8219	1.6020	.2613	-1.9016	.0199		
1171	10.0463	28.9860	2.9749	22.6581	1.7900	1.5740	.2567	-1.8550	.0201		
1172	12.1361	28.9602	2.9767	22.6467	1.8127	1.5940	.2599	-1.8660	.0205		
1173	14.2304	28.9466	2.9806	22.6388	1.7987	1.5817	.2579	-1.8377	.0208		
1174	16.2189	28.9078	2.9753	22.6495	1.7868	1.5711	.2563	-1.8062	.0215		
1175	18.2229	28.9041	2.9743	22.6514	1.7972	1.5804	.2576	-1.7951	.0225		
1176	20.2126	28.8763	2.9716	22.6569	1.7861	1.5705	.2562	-1.7619	.0234		
1177	21.7127	28.8689	2.9710	22.6579	1.7815	1.5665	.2555	-1.7379	.0236		
1178	.0722	28.8420	2.9678	22.6644	1.7777	1.5632	.2549	-1.8643	.0185		
1179	.0171	0.0000	.9710	26.6581	0.0000	0.0000	0.0000	.0279	.0082		

NASA LANGLEY											
TEST 995			70								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
1162	.0175	.3302	.0900	-.1158	.3302	.0732	-.1158	.3302	.0819	-.1158	1.0000
1163	.0188	.3143	.0877	-.1144	.3143	.0709	-.1144	.3143	.0797	-.1144	1.0000
1164	.0563	1.0575	-1.5130	-.5238	1.0557	.2789	-.3195	1.0574	-1.4811	-.5181	1.0000
1165	-1.8236	.8317	-1.5184	-.5440	.8887	.2533	-.3420	.8327	-1.5058	-.5406	1.0000
1166	.0822	1.0526	-1.4959	-.5186	1.0500	.2788	-.3163	1.0525	-1.4812	-.5149	1.0000
1167	2.0032	1.2720	-1.4599	-.4945	1.2098	.3002	-.2937	1.2713	-1.4588	-.4923	1.0000
1168	3.9577	1.4947	-1.4412	-.4804	1.3707	.3319	-.2777	1.4922	-1.4239	-.4763	1.0000
1169	5.9406	1.7168	-1.4172	-.4592	1.5281	.3768	-.2535	1.7103	-1.3738	-.4521	1.0000
1170	7.9850	1.9153	-1.3566	-.4260	1.6623	.4277	-.2204	1.9067	-1.3152	-.4190	1.0000
1171	10.0463	2.1882	-1.2630	-.3843	1.7880	.4795	-.1824	2.0950	-1.2535	-.3809	1.0000
1172	12.1361	2.3077	-1.2018	-.3543	1.9266	.5498	-.1498	2.2966	-1.1709	-.3483	1.0000
1173	14.2304	2.4988	-1.0998	-.3129	2.0566	.6230	-.1100	2.4893	-1.0830	-.3086	1.0000
1174	16.2189	2.6789	-.9933	-.2648	2.1718	.7089	-.0632	2.6634	-.9891	-.2618	1.0000
1175	18.2229	2.8610	-.8702	-.2230	2.2989	.8143	-.0202	2.8493	-.8574	-.2188	1.0000
1176	20.2126	3.0415	-.7096	-.1849	2.4244	.9431	.0166	3.0325	-.7885	-.1819	1.0000
1177	21.7127	3.2096	-.5887	-.1623	2.5588	1.0588	.0387	3.2017	-.5843	-.1598	1.0000
1178	.0722	1.0386	-1.4771	-.5188	1.0364	.2821	-.3182	1.0386	-1.4779	-.5168	1.0000
1179	.0171	.3241	.0754	-.1188	.3241	.0394	-.1188	.3241	.0673	-.1188	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1182	.165	1922	.03	-.00	100416	.4262	.0742	-.1169	-.0003	.0006	-.0014
1183	.166	1925	-1.84	-.00	100416	.2980	.0692	-.1531	-.0015	-.0003	.0023
1184	.166	1929	.06	-.00	100413	.4208	.0749	-.1199	-.0004	.0005	.0008
1185	.165	1919	1.95	-.00	100423	.5404	.0652	-.0817	-.0006	.0004	-.0013
1186	.165	1916	3.92	-.00	100430	.6879	.0538	-.0466	-.0001	.0017	.0140
1187	.165	1916	5.91	-.00	100430	.8278	.0404	-.0083	.0005	.0005	-.0005
1188	.166	1929	7.93	-.00	100420	.9546	.0300	.0301	-.0005	.0003	-.0040
1189	.165	1922	9.98	-.00	100426	1.0629	.0258	.0759	-.0012	-.0001	.0025
1190	.165	1919	12.07	-.00	100416	1.2309	.0246	.1250	-.0012	-.0000	-.0004
1191	.166	1932	14.14	-.00	100430	1.1445	.0300	.1811	-.0001	.0006	.0058
1192	.165	1916	16.11	-.00	100416	1.2309	.0433	.1929	-.0012	.0001	.0078
1193	.165	1912	18.16	-.00	100433	1.3255	.0463	.2268	-.0015	.0002	.0108
1194	.166	1929	20.11	-.00	100436	1.4530	.0446	.2686	-.0001	.0002	.0087
1195	.166	1932	21.59	-.00	100420	1.6089	.0386	.3035	.0005	.0004	.0091
1196	.167	1949	.04	-.00	100416	1.7049	.0766	-.1183	.0004	.0004	-.0030
					100413	.4271					
NASA LANGLEY											
TEST 995			71								
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1182	.0287	0.0000	.9789	26.6421	0.0000	0.0000	0.0000	.0204	.0082		
1183	-1.8421	0.0000	.9803	26.6393	0.0000	0.0000	0.0000	.0190	.0084		
1184	.0607	0.0000	.9811	26.6377	0.0000	0.0000	0.0000	.0182	.0083		
1185	1.9453	0.0000	.9814	26.6372	0.0000	0.0000	0.0000	.0180	.0081		
1186	3.9241	0.0000	.9813	26.6374	0.0000	0.0000	0.0000	.0181	.0080		
1187	5.9074	0.0000	.9820	26.6361	0.0000	0.0000	0.0000	.0174	.0079		
1188	7.9343	0.0000	.9821	26.6358	0.0000	0.0000	0.0000	.0171	.0079		
1189	9.9807	0.0000	.9817	26.6365	0.0000	0.0000	0.0000	.0174	.0083		
1190	12.0706	0.0000	.9805	26.6391	0.0000	0.0000	0.0000	.0185	.0082		
1191	14.1413	0.0000	.9783	26.6435	0.0000	0.0000	0.0000	.0203	.0083		
1192	16.1066	0.0000	.9747	26.6506	0.0000	0.0000	0.0000	.0236	.0091		
1193	18.1564	0.0000	.9741	26.6518	0.0000	0.0000	0.0000	.0240	.0095		
1194	20.1126	0.0000	.9724	26.6553	0.0000	0.0000	0.0000	.0250	.0098		
1195	21.5875	0.0000	.9715	26.6569	0.0000	0.0000	0.0000	.0255	.0100		
1196	.0406	0.0000	.9847	26.6305	0.0000	0.0000	0.0000	.0146	.0080		
NASA LANGLEY											
TEST 995			71								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1182	.0287	.4262	.0744	-.1169	.4262	.0458	-.1169	.4262	.0662	-.1169	1.0000
1183	-1.8421	.3001	.0596	-.1531	.3001	.0323	-.1531	.3001	.0512	-.1531	1.0000
1184	.0607	.4207	.0753	-.1199	.4207	.0489	-.1199	.4207	.0670	-.1199	1.0000
1185	1.9453	.5378	.0835	-.0817	.5378	.0573	-.0817	.5378	.0754	-.0817	1.0000
1186	3.9241	.6826	.1008	-.0466	.6826	.0746	-.0466	.6826	.0928	-.0466	1.0000
1187	5.9074	.8193	.1253	-.0083	.8193	.1001	-.0083	.8193	.1175	-.0083	1.0000
1188	7.9343	.9414	.1615	.0301	.9414	.1365	.0301	.9414	.1536	.0301	1.0000
1189	9.9807	1.0424	.2096	.0759	1.0424	.1840	.0759	1.0424	.2014	.0759	1.0000
1190	12.0706	1.1141	.2634	.1250	1.1141	.2366	.1250	1.1141	.2551	.1250	1.0000
1191	14.1413	1.1863	.3298	.1811	1.1863	.3012	.1811	1.1863	.3215	.1811	1.0000
1192	16.1066	1.2614	.4093	.1929	1.2614	.3766	.1929	1.2614	.4002	.1929	1.0000
1193	18.1564	1.3660	.4973	.2268	1.3660	.4638	.2268	1.3660	.4877	.2268	1.0000
1194	20.1126	1.4955	.5951	.2686	1.4955	.5602	.2686	1.4955	.5853	.2686	1.0000
1195	21.5875	1.5711	.6631	.3035	1.5711	.6276	.3035	1.5711	.6531	.3035	1.0000
1196	.0406	.4270	.0769	-.1183	.4270	.0543	-.1183	.4270	.0689	-.1183	1.0000

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NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	72				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPH	CRM,B	CYM,B	CSF
1197	.166	1942	.03	-.00	100420	.4171	-.0734	-.1146	-.0003	.0004	-.0014
1198	.166	1945	.06	-.00	100430	.9209	-.8293	-.3691	-.0003	-.0006	.0098
1199	.166	1935	-1.82	-.00	100430	.7920	-.8501	-.4065	.0001	-.0016	.0083
1200	.166	1932	.08	-.00	100433	.9283	-.8410	-.3713	-.0000	-.0007	.0063
1201	.166	1932	2.00	-.00	100433	1.0586	-.8250	-.3354	-.0010	-.0007	.0099
1202	.165	1925	3.95	-.00	100440	1.2047	-.8436	-.3075	-.0006	-.0013	.0060
1203	.165	1909	5.94	-.00	100460	1.3682	-.8672	-.2741	-.0001	-.0025	.0091
1204	.165	1919	7.96	-.00	100457	1.5291	-.8701	-.2418	.0019	-.0012	.0094
1205	.166	1942	10.03	-.00	100437	1.6629	-.8676	-.2004	.0035	-.0004	.0082
1206	.167	1962	12.15	-.00	100437	1.8356	-.8677	-.1592	.0017	-.0009	.0069
1207	.166	1945	14.27	-.00	100406	2.0139	-.8901	-.1191	.0017	-.0010	.0132
1208	.165	1922	16.22	-.00	100423	2.1915	-.9096	-.0783	.0015	-.0005	.0147
1209	.165	1916	18.24	-.00	100447	2.3512	-.9248	-.0307	.0026	-.0004	.0164
1210	.164	1896	20.22	-.00	100453	2.4346	-.9433	.0412	.0048	-.0000	.0125
1211	.165	1922	21.64	-.00	100473	2.4486	-.9311	.0972	.0048	.0004	.0146
1212	.168	1982	.09	-.00	100386	.9074	-.8015	-.3635	-.0009	-.0008	.0074

TEST	995					RUN	72				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CO,C		
1197	.0308	.0408	.9858	26.6284	0.0000	0.0000	0.0000	.0136	.0079		
1198	.0590	20.5284	2.1075	24.3850	1.0700	.9406	.1538	-1.0598	.0139		
1199	-1.8187	20.5523	2.1181	24.3639	1.3856	.9544	.1559	-1.0748	.0140		
1200	.0846	20.4804	2.1068	24.3864	1.0804	.9498	.1551	-1.0664	.0139		
1201	2.0031	20.2387	2.0787	24.4426	1.0588	.9309	.1520	-1.0387	.0138		
1202	3.9529	20.2740	2.0808	24.4426	1.0642	.9356	.1527	-1.0425	.0139		
1203	5.9402	20.2993	2.0843	24.4314	1.0748	.9448	.1543	-1.0520	.0139		
1204	7.9627	20.3261	2.0880	24.4239	1.0707	.9413	.1537	-1.0456	.0142		
1205	10.0273	20.3674	2.0884	24.4232	1.0602	.9322	.1521	-1.0274	.0144		
1206	12.1501	20.3934	2.0888	24.4224	1.0496	.9228	.1507	-1.0098	.0146		
1207	14.2703	20.4639	2.0912	24.4175	1.0626	.9342	.1526	-1.0120	.0152		
1208	16.2241	20.4083	2.0886	24.4228	1.0724	.9429	.1539	-1.0125	.0156		
1209	18.2385	20.4173	2.0918	24.4164	1.0780	.9478	.1547	-1.0079	.0163		
1210	20.2193	20.4216	2.0920	24.4160	1.0891	.9574	.1564	-1.0067	.0179		
1211	21.6362	20.3865	2.0894	24.4213	1.0721	.9426	.1539	-.9808	.0197		
1212	.0869	20.4296	2.0941	24.4118	1.0435	.9174	.1499	-1.0274	.0139		

TEST	995					RUN	72				
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
1197	.0308	.4170	-.0736	-.1146	.4170	.0521	-.1146	.4170	.0657	-.1146	1.0000
1198	.0590	.9217	-.8283	-.3691	.9206	.2278	-.2483	.9218	-.9455	-.3607	1.2000
1199	-1.8187	.7646	-.8748	-.4065	.7991	.1963	-.2841	.7618	-.9764	-.4164	1.2000
1200	.0846	.9295	-.8397	-.3713	.9279	.2269	-.2494	.9296	-.9465	-.3818	1.2000
1201	2.0031	1.0868	-.7875	-.3354	1.0498	.2568	-.2159	1.0888	-.9158	-.3483	1.2000
1202	3.9529	1.2599	-.7585	-.3075	1.1866	.2893	-.1874	1.2675	-.8813	-.3198	1.2000
1203	5.9402	1.4506	-.7210	-.2741	1.3394	.3340	-.1528	1.4608	-.8331	-.2852	1.2000
1204	7.9627	1.6349	-.6499	-.2418	1.6040	.3962	-.1210	1.6492	-.7658	-.2534	1.2000
1205	10.0273	1.7886	-.5648	-.2004	1.6840	.4648	-.0808	1.8083	-.6906	-.2132	1.2000
1206	12.1501	1.9771	-.4619	-.1592	1.7562	.5496	-.0408	2.0032	-.5975	-.1732	1.2000
1207	14.2703	2.1711	-.3662	-.1191	1.9092	.6485	.0008	2.1984	-.4887	-.1316	1.2000
1208	16.2241	2.3583	-.2611	-.0783	2.0587	.7530	.0427	2.3865	-.3736	-.0897	1.2000
1209	18.2385	2.5225	-.1425	-.0307	2.1851	.8651	.0910	2.5523	-.2493	-.0414	1.2000
1210	20.2193	2.6106	-.0438	.0412	2.2343	.9603	.1640	2.6398	-.1407	.0317	1.2000
1211	21.6362	2.6194	.0374	.0972	2.2241	1.0142	.2181	2.6567	-.0764	.0857	1.2000
1212	.0869	.9086	-.8001	-.3635	.9071	.2295	-.2458	.9088	-.9438	-.3782	1.2000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 73									
POINT	HACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1213	.166	1939	.06	-.00	100433	1.0954	-1.2476	-.4800	.0024	-.0007	.0056
1214	.166	1932	-1.78	-.00	100440	.9648	-1.2714	-.5156	.0024	-.0013	.0067
1215	.167	1952	.10	-.00	100420	1.1033	-1.2590	-.4844	.0025	-.0006	.0079
1216	.166	1949	2.01	-.00	100427	1.2425	-1.2701	-.4536	.0027	-.0008	.0066
1217	.166	1949	3.96	-.00	100430	1.3885	-1.2861	-.4254	.0022	-.0010	.0078
1218	.166	1942	5.96	-.00	100430	1.5555	-1.3076	-.3955	.0042	-.0025	.0077
1219	.165	1925	7.99	-.00	100450	1.7213	-1.2975	-.3579	.0051	-.0006	.0064
1220	.167	1968	10.05	.00	100406	1.8756	-1.2824	-.3173	.0053	-.0017	-.0120
1221	.167	1952	12.17	-.00	100420	2.0692	-1.3096	-.2876	.0041	-.0007	.0251
1222	.166	1939	14.23	-.00	100443	2.2629	-1.3375	-.2565	.0010	-.0006	.0114
1223	.167	1952	16.24	-.00	100420	2.4431	-1.3420	-.2136	.0012	-.0005	.0090
1224	.166	1935	18.24	-.00	100446	2.6488	-1.3601	-.1790	.0002	-.0004	.0101
1225	.165	1906	20.17	-.00	100470	2.8017	-1.4030	-.1239	.0039	-.0004	.0088
1226	.165	1925	21.80	-.00	100450	2.8270	-1.4015	-.0379	.0055	-.0009	.0113
1227	.165	1925	.07	-.00	100450	1.1134	-1.2773	-.4986	.0030	-.0005	.0056

TEST	995	RUN 73							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1213	.0626	25.8925	2.6397	23.3206	1.5299	1.3451	.2195	-1.5745	.0168
1214	-1.7850	26.0651	2.6548	23.2905	1.5502	1.3631	.2224	-1.5937	.0168
1215	.0980	26.1597	2.6639	23.2722	1.5430	1.3568	.2213	-1.5867	.0171
1216	2.0061	26.1719	2.6654	23.2692	1.5467	1.3600	.2219	-1.5900	.0174
1217	3.9555	26.2497	2.6675	23.2649	1.5526	1.3652	.2227	-1.5892	.0176
1218	5.9552	26.2974	2.6738	23.2524	1.5629	1.3743	.2241	-1.5958	.0178
1219	7.9874	25.8491	2.6318	23.3363	1.5385	1.3528	.2207	-1.5626	.0176
1220	10.0466	25.0108	2.6376	23.3247	1.5106	1.3284	.2166	-1.5246	.0177
1221	12.1660	25.9684	2.6404	23.3192	1.5275	1.3431	.2191	-1.5292	.0178
1222	14.2336	25.9925	2.6435	23.3130	1.5402	1.3543	.2209	-1.5298	.0176
1223	16.2374	26.0371	2.6470	23.3060	1.5334	1.3483	.2200	-1.5079	.0173
1224	18.2393	26.0474	2.6516	23.2967	1.5488	1.3618	.2221	-1.5090	.0176
1225	20.1666	26.0027	2.6471	23.3057	1.5692	1.3798	.2250	-1.5110	.0187
1226	21.7958	26.1427	2.6546	23.2908	1.5632	1.3745	.2242	-1.4456	.0203
1227	.0722	26.2231	2.6620	23.2760	1.5713	1.3817	.2254	-1.6071	.0173

TEST	995				RUN				73			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM	
1213	.0626	1.0968	-1.2464	-.4800	1.0951	.2666	-.3074	1.0967	-1.2001	-.4729	1.5000	
1214	-1.7850	.9247	-1.3089	-.5156	.9730	.2317	-.3407	.9273	-1.2342	-.5061	1.5000	
1215	.0980	1.1055	-1.2571	-.4844	1.1029	.2689	-.3103	1.1054	-1.1978	-.4758	1.5000	
1216	2.0061	1.2862	-1.2258	-.4536	1.2320	.3025	-.2791	1.2834	-1.1633	-.4446	1.5000	
1217	3.9555	1.4739	-1.1872	-.4254	1.3668	.3440	-.2502	1.4680	-1.1192	-.4157	1.5000	
1218	5.9552	1.6828	-1.1392	-.3955	1.5206	.3975	-.2192	1.6728	-1.0612	-.3846	1.5000	
1219	7.9874	1.8849	-1.0457	-.3579	1.6711	.4602	-.1843	1.8749	-.9922	-.3498	1.5000	
1220	10.0466	2.0705	-.9355	-.3173	1.8070	.5343	-.1468	2.0629	-.9099	-.3123	1.5000	
1221	12.1660	2.2987	-.8441	-.2876	1.9768	.6313	-.1153	2.2859	-.8024	-.2808	1.5000	
1222	14.2336	2.5223	-.7401	-.2565	2.1436	.7353	-.0827	2.5042	-.6863	-.2482	1.5000	
1223	16.2374	2.7209	-.6053	-.2136	2.2921	.8496	-.0486	2.7022	-.5586	-.2061	1.5000	
1224	18.2393	2.9439	-.4703	-.1790	2.4592	.9831	-.0043	2.9183	-.4099	-.1697	1.5000	
1225	20.1666	3.1136	-.3511	-.1239	2.5726	1.1032	.0532	3.0783	-.2736	-.1123	1.5000	
1226	21.7958	3.1452	-.2517	-.0379	2.5648	1.1795	.1384	3.1094	-.1823	-.0270	1.5000	
1227	.0722	1.1151	-1.2759	-.4906	1.1131	.2781	-.3133	1.1149	-1.1886	-.4788	1.5000	

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST	995	RUN 74									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	GNF	CAF	CPM	CRM,B	CYM,B	CSF
1228	.166	1939	.07	-.00	100437	1.1391	-1.4979	-.5127	.0021	-.0002	.0044
1229	.166	1935	-1.00	-.00	100440	.9985	-1.5072	-.5446	.0018	-.0010	.0067
1230	.166	1949	.11	-.00	100427	1.1392	-1.4899	-.5101	.0023	-.0002	.0043
1231	.166	1942	2.01	-.00	100433	1.2830	-1.5041	-.4806	.0022	-.0003	.0043
1232	.166	1939	3.97	-.00	100437	1.4252	-1.5193	-.4518	.0020	-.0007	.0042
1233	.166	1929	5.96	-.00	100447	1.5925	-1.5450	-.4224	.0033	-.0026	.0089
1234	.167	1952	7.98	-.00	100423	1.7666	-1.5373	-.3876	.0035	-.0005	.0044
1235	.165	1919	10.06	-.00	100457	1.9543	-1.5772	-.3623	.0042	-.0002	.0058
1236	.168	1978	12.18	-.00	100407	2.1190	-1.5461	-.3198	.0017	-.0003	.0058
1237	.167	1968	14.26	-.00	100403	2.3294	-1.5714	-.2901	-.0014	-.0008	.0094
1238	.167	1958	16.28	-.00	100423	2.5082	-1.5907	-.2536	-.0004	-.0021	.0291
1239	.166	1932	18.28	-.00	100440	2.7262	-1.6265	-.2211	-.0013	-.0001	.0081
1240	.165	1922	20.27	-.00	100453	2.9112	-1.6520	-.1768	.0024	.0008	.0125
1241	.166	1942	21.75	-.00	100433	2.9242	-1.6446	-.0947	.0050	.0010	.0061
1242	.166	1939	.07	-.00	100426	1.1480	-1.5113	-.5187	.0025	-.0004	.0042
1243	.166	1935	.03	-.00	100430	.4241	.0633	-.1200	.0003	.0004	.0052

TEST	995	RUN 74									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1228	.0676	28.9723	2.9405	22.7189	1.7971	1.5802	.2577	-1.8634	.0185		
1229	-1.7981	29.0333	2.9440	22.7120	1.8046	1.5868	.2589	-1.8691	.0181		
1230	.1121	28.9951	2.9414	22.7173	1.7896	1.5736	.2567	-1.8546	.0185		
1231	2.0056	29.0214	2.9404	22.7192	1.7965	1.5795	.2578	-1.8589	.0189		
1232	3.9709	28.9838	2.9432	22.7135	1.7982	1.5810	.2580	-1.8616	.0193		
1233	5.9642	29.0090	2.9438	22.7124	1.8089	1.5905	.2595	-1.8662	.0195		
1234	7.9844	29.0266	2.9452	22.7096	1.7898	1.5738	.2567	-1.8370	.0194		
1235	10.0574	28.9828	2.9457	22.7086	1.8177	1.5983	.2607	-1.8590	.0197		
1236	12.1807	29.0514	2.9507	22.6987	1.7687	1.5552	.2537	-1.7938	.0195		
1237	14.2640	29.0834	2.9462	22.7076	1.7783	1.5637	.2551	-1.7833	.0192		
1238	16.2779	29.0839	2.9485	22.7030	1.7881	1.5723	.2565	-1.7776	.0188		
1239	18.2764	29.0748	2.9443	22.7113	1.8112	1.5926	.2598	-1.7790	.0189		
1240	20.2674	29.0888	2.9440	22.7120	1.8214	1.6016	.2612	-1.7665	.0201		
1241	21.7471	29.1256	2.9500	22.7000	1.8059	1.5879	.2591	-1.7363	.0218		
1242	.0749	29.1367	2.9510	22.6980	1.8187	1.5921	.2597	-1.8733	.0188		
1243	.0333	0.0000	.9633	26.6734	0.0000	0.0000	0.0000	.0353	.0086		

TEST	995	RUN 74									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1228	.0676	1.1409	-1.4966	-.5127	1.1387	.2820	-.3099	1.1408	-1.4780	-.5085	1.8000
1229	-1.7981	.9507	-1.5378	-.5446	1.0873	.2478	-.3410	.9521	-1.5113	-.5396	1.8000
1230	.1121	1.1421	-1.4877	-.5101	1.1386	.2834	-.3082	1.1420	-1.4766	-.5068	1.8000
1231	2.0056	1.3348	-1.4582	-.4806	1.2720	.3182	-.2779	1.3335	-1.4408	-.4765	1.8000
1232	3.9709	1.5270	-1.4170	-.4518	1.4025	.3575	-.2489	1.5244	-1.3982	-.4475	1.8000
1233	5.9642	1.7444	-1.3712	-.4224	1.5564	.4084	-.2183	1.7393	-1.3421	-.4168	1.8000
1234	7.9844	1.9630	-1.2770	-.3876	1.7144	.4760	-.1857	1.9588	-1.2669	-.3842	1.8000
1235	10.0574	2.1997	-1.2117	-.3623	1.8822	.5584	-.1572	2.1896	-1.1745	-.3557	1.8000
1236	12.1807	2.3975	-1.0642	-.3198	2.0243	.6452	-.1202	2.3957	-1.0752	-.3188	1.8000
1237	14.2640	2.6448	-.9490	-.2901	2.2066	.7553	-.0894	2.6402	-.9564	-.2880	1.8000
1238	16.2779	2.8535	-.8239	-.2536	2.3523	.8738	-.0519	2.8456	-.8157	-.2504	1.8000
1239	18.2764	3.0887	-.6895	-.2211	2.5307	1.0114	-.0168	3.0827	-.6598	-.2153	1.8000
1240	20.2674	3.3032	-.5413	-.1768	2.6722	1.1473	.0287	3.2819	-.5038	-.1699	1.8000
1241	21.7471	3.3254	-.4441	-.0947	2.6563	1.2115	.1091	3.3084	-.4232	-.0895	1.8000
1242	.0749	1.1499	-1.5098	-.5187	1.1476	.2021	-.3144	1.1499	-1.4779	-.5129	1.8000
1243	.0333	.4241	.0636	-.1200	.4241	.0197	-.1280	.4241	.0550	-.1200	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1252	.166	1932	.03	-.00	100318	.4591	.0797	-.1337	-.0011	.0011	.0045
1253	.166	1929	-1.83	-.00	100321	.3381	.0865	-.1659	-.0012	.0004	.0032
1254	.166	1929	.06	-.00	100321	.4634	.0801	-.1329	-.0005	.0008	-.0016
1255	.166	1932	1.97	-.00	100321	.5836	.0717	-.0974	-.0015	.0007	.0022
1256	.167	1955	3.93	-.00	100298	.7173	.0590	-.0587	.0001	.0004	.0016
1257	.165	1919	5.93	-.00	100338	.8632	.0472	-.0211	.0004	.0006	.0004
1258	.167	1958	7.91	-.00	100301	.9902	.0388	.0168	-.0004	.0004	.0015
1259	.166	1939	10.02	-.00	100321	1.0855	.0355	.0670	-.0007	.0005	-.0000
1260	.165	1916	12.10	-.00	100345	1.1643	.0369	.1148	-.0003	.0006	.0027
1261	.170	2028	14.17	-.00	100231	1.2411	.0348	.1719	-.0004	.0003	.0023
1262	.167	1949	16.22	-.00	100311	1.3425	.0553	.1865	-.0016	.0001	.0066
1263	.166	1935	18.17	-.00	100325	1.4686	.0580	.2242	-.0020	.0001	.0050
1264	.164	1892	20.16	-.00	100365	1.6167	.0559	.2651	-.0002	.0005	.0051
1265	.164	1896	21.75	-.00	100358	1.7319	.0517	.3035	-.0000	.0016	-.0032
1266	.167	1955	.04	-.00	100291	.4711	.0893	-.1306	-.0002	.0005	-.0029

NASA LANGLEY											
TEST 995			76								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1252	.0278	0.0000	.9753	26.6493	0.0000	0.0000	0.0000	.0237	.0082		
1253	-1.8344	0.0000	.9758	26.6484	0.0000	0.0000	0.0000	.0233	.0087		
1254	.0605	0.0000	.9763	26.6475	0.0000	0.0000	0.0000	.0229	.0082		
1255	1.9664	.0702	.9774	26.6452	0.0000	0.0000	0.0000	.0217	.0080		
1256	3.9280	0.0000	.9749	26.6503	0.0000	0.0000	0.0000	.0238	.0080		
1257	5.9280	0.0000	.9721	26.6558	0.0000	0.0000	0.0000	.0269	.0079		
1258	7.9129	0.0000	.9734	26.6533	0.0000	0.0000	0.0000	.0250	.0079		
1259	10.0233	0.0000	.9724	26.6552	0.0000	0.0000	0.0000	.0260	.0081		
1260	12.1048	0.0000	.9721	26.6556	0.0000	0.0000	0.0000	.0265	.0083		
1261	14.1705	0.0000	.9678	26.6645	0.0000	0.0000	0.0000	.0286	.0085		
1262	16.2164	0.0000	.9669	26.6663	0.0000	0.0000	0.0000	.0304	.0092		
1263	18.1730	0.0000	.9641	26.6718	0.0000	0.0000	0.0000	.0328	.0096		
1264	20.1635	0.0000	.9647	26.6706	0.0000	0.0000	0.0000	.0326	.0099		
1265	21.7453	0.0000	.9627	26.6746	0.0000	0.0000	0.0000	.0340	.0101		
1266	.0406	0.0000	.9739	26.6522	0.0000	0.0000	0.0000	.0248	.0083		

NASA LANGLEY											
TEST 995			76								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1252	.0278	.4590	.0799	-.1337	.4590	.0479	-.1337	.4590	.0716	-.1337	1.0000
1253	-1.8344	.3407	.0757	-.1659	.3407	.0437	-.1659	.3407	.0670	-.1659	1.0000
1254	.0605	.4633	.0806	-.1329	.4633	.0495	-.1329	.4633	.0724	-.1329	1.0000
1255	1.9664	.5808	.0917	-.0974	.5808	.0620	-.0974	.5808	.0838	-.0974	1.0000
1256	3.9280	.7115	.1080	-.0587	.7115	.0762	-.0587	.7115	.1000	-.0587	1.0000
1257	5.9280	.8537	.1361	-.0211	.8537	.1014	-.0211	.8537	.1283	-.0211	1.0000
1258	7.9129	.9755	.1747	.0168	.9755	.1418	.0168	.9755	.1668	.0168	1.0000
1259	10.0233	1.0628	.2239	.0670	1.0628	.1897	.0670	1.0628	.2157	.0670	1.0000
1260	12.1048	1.1307	.2802	.1148	1.1307	.2454	.1148	1.1307	.2719	.1148	1.0000
1261	14.1705	1.1948	.3375	.1719	1.1948	.3004	.1719	1.1948	.3290	.1719	1.0000
1262	16.2164	1.2737	.4280	.1865	1.2737	.3884	.1865	1.2737	.4188	.1865	1.0000
1263	18.1730	1.3772	.5131	.2242	1.3772	.4708	.2242	1.3772	.5036	.2242	1.0000
1264	20.1635	1.4984	.6098	.2651	1.4984	.5673	.2651	1.4984	.5999	.2651	1.0000
1265	21.7453	1.5895	.6897	.3035	1.5895	.6456	.3035	1.5895	.6796	.3035	1.0000
1266	.0406	.4710	.0896	-.1306	.4710	.0566	-.1306	.4710	.0814	-.1306	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		77							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF		
1267	.167	1952	.04	-.00	100301	.4604	.0877	-.1296	-.0007	.0007	-.0004		
1268	.166	1925	.09	-.00	100321	.9786	-.8156	-.3852	-.0012	-.0009	.0086		
1269	.166	1945	-1.81	-.00	100301	.8300	-.8142	-.4161	-.0009	-.0010	.0119		
1270	.165	1906	.07	-.00	100341	.9854	-.8296	-.3897	-.0012	-.0010	.0075		
1271	.166	1935	1.99	-.00	100311	1.1151	-.8264	-.3566	-.0029	-.0007	.0103		
1272	.166	1935	3.95	-.00	100311	1.2590	-.8380	-.3241	-.0009	-.0015	.0093		
1273	.166	1935	5.95	-.00	100311	1.4218	-.8570	-.2916	-.0007	-.0019	.0102		
1274	.166	1939	7.97	-.00	100311	1.5811	-.8661	-.2574	.0018	-.0012	.0092		
1275	.163	1866	10.01	-.00	100382	1.7483	-.9063	-.2281	.0037	.0002	.0061		
1276	.165	1916	12.15	-.00	100331	1.9004	-.8960	-.1815	.0015	-.0003	.0095		
1277	.165	1909	14.22	-.00	100338	2.0775	-.9113	-.1405	.0015	-.0007	.0134		
1278	.166	1945	16.21	-.00	100301	2.2324	-.9070	-.0946	.0027	-.0005	.0127		
1279	.166	1932	18.23	-.00	100311	2.3972	-.9282	-.0475	.0024	-.0003	.0150		
1280	.165	1909	20.25	-.00	100331	2.4634	-.9507	.0313	.0051	.0000	.0158		
1281	.165	1902	21.73	-.00	100338	2.5007	-.9561	.0822	.0043	.0004	.0137		
1282	.167	1952	.06	-.00	100281	.9710	-.8160	-.3858	-.0010	-.0007	.0062		

TEST		995		RUN		77		77		77		77		77		77		77											
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1267	.0352	0.0000	.9740	26.6519	0.0000	0.0000	0.0000	.0247	.0082	1267	.0352	0.0000	.9740	26.6519	0.0000	0.0000	0.0000	.0247	.0082	1267	.0352	0.0000	.9740	26.6519	0.0000	0.0000	0.0000	.0247	.0082
1268	.0893	21.2628	2.0904	24.4192	1.1129	.9785	.1597	-1.0531	.0140	1268	.0893	21.2628	2.0904	24.4192	1.1129	.9785	.1597	-1.0531	.0140	1268	.0893	21.2628	2.0904	24.4192	1.1129	.9785	.1597	-1.0531	.0140
1269	-1.8132	21.2514	2.0937	24.4127	1.1019	.9687	.1582	-1.0447	.0140	1269	-1.8132	21.2514	2.0937	24.4127	1.1019	.9687	.1582	-1.0447	.0140	1269	-1.8132	21.2514	2.0937	24.4127	1.1019	.9687	.1582	-1.0447	.0140
1270	.0659	21.2765	2.0929	24.4143	1.1257	.9896	.1617	-1.0666	.0141	1270	.0659	21.2765	2.0929	24.4143	1.1257	.9896	.1617	-1.0666	.0141	1270	.0659	21.2765	2.0929	24.4143	1.1257	.9896	.1617	-1.0666	.0141
1271	1.9896	21.2762	2.0918	24.4164	1.1082	.9742	.1592	-1.0483	.0139	1271	1.9896	21.2762	2.0918	24.4164	1.1082	.9742	.1592	-1.0483	.0139	1271	1.9896	21.2762	2.0918	24.4164	1.1082	.9742	.1592	-1.0483	.0139
1272	3.9475	21.2381	2.0852	24.4296	1.1047	.9712	.1586	-1.0401	.0141	1272	3.9475	21.2381	2.0852	24.4296	1.1047	.9712	.1586	-1.0401	.0141	1272	3.9475	21.2381	2.0852	24.4296	1.1047	.9712	.1586	-1.0401	.0141
1273	5.9452	21.2475	2.0934	24.4131	1.1089	.9750	.1591	-1.0448	.0140	1273	5.9452	21.2475	2.0934	24.4131	1.1089	.9750	.1591	-1.0448	.0140	1273	5.9452	21.2475	2.0934	24.4131	1.1089	.9750	.1591	-1.0448	.0140
1274	7.9750	21.3242	2.1002	24.3996	1.1130	.9786	.1597	-1.0450	.0143	1274	7.9750	21.3242	2.1002	24.3996	1.1130	.9786	.1597	-1.0450	.0143	1274	7.9750	21.3242	2.1002	24.3996	1.1130	.9786	.1597	-1.0450	.0143
1275	10.0080	21.2791	2.0974	24.4052	1.1526	1.0132	.1656	-1.0776	.0148	1275	10.0080	21.2791	2.0974	24.4052	1.1526	1.0132	.1656	-1.0776	.0148	1275	10.0080	21.2791	2.0974	24.4052	1.1526	1.0132	.1656	-1.0776	.0148
1276	12.1461	21.3588	2.1026	24.3948	1.1293	.9928	.1622	-1.0465	.0152	1276	12.1461	21.3588	2.1026	24.3948	1.1293	.9928	.1622	-1.0465	.0152	1276	12.1461	21.3588	2.1026	24.3948	1.1293	.9928	.1622	-1.0465	.0152
1277	14.2152	21.3744	2.1062	24.3876	1.1354	.9982	.1630	-1.0448	.0155	1277	14.2152	21.3744	2.1062	24.3876	1.1354	.9982	.1630	-1.0448	.0155	1277	14.2152	21.3744	2.1062	24.3876	1.1354	.9982	.1630	-1.0448	.0155
1278	16.2067	21.3415	2.1011	24.3978	1.1108	.9766	.1595	-1.0105	.0159	1278	16.2067	21.3415	2.1011	24.3978	1.1108	.9766	.1595	-1.0105	.0159	1278	16.2067	21.3415	2.1011	24.3978	1.1108	.9766	.1595	-1.0105	.0159
1279	18.2275	21.3967	2.1051	24.3897	1.1220	.9863	.1612	-1.0102	.0166	1279	18.2275	21.3967	2.1051	24.3897	1.1220	.9863	.1612	-1.0102	.0166	1279	18.2275	21.3967	2.1051	24.3897	1.1220	.9863	.1612	-1.0102	.0166
1280	20.2547	21.4456	2.1087	24.3825	1.1410	1.0032	.1638	-1.0133	.0182	1280	20.2547	21.4456	2.1087	24.3825	1.1410	1.0032	.1638	-1.0133	.0182	1280	20.2547	21.4456	2.1087	24.3825	1.1410	1.0032	.1638	-1.0133	.0182
1281	21.7290	21.4447	2.1107	24.3785	1.1448	1.0064	.1644	-1.0088	.0201	1281	21.7290	21.4447	2.1107	24.3785	1.1448	1.0064	.1644	-1.0088	.0201	1281	21.7290	21.4447	2.1107	24.3785	1.1448	1.0064	.1644	-1.0088	.0201
1282	.0593	21.2985	2.1008	24.3984	1.1058	.9721	.1588	-1.0483	.0142	1282	.0593	21.2985	2.1008	24.3984	1.1058	.9721	.1588	-1.0483	.0142	1282	.0593	21.2985	2.1008	24.3984	1.1058	.9721	.1588	-1.0483	.0142

TEST		995				RUN				77													
POINT	ALPHA	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM	POINT	ALPHA	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
	DEG																						
1267	.0352	.4604	.0880	-.1296	.4604	.0551	-.1296	.4604	.0799	-.1296	1.0000	1267	.0352	.4604	.0880	-.1296	.4604	.0551	-.1296	.4604	.0799	-.1296	1.0000
1268	.0893	.9799	-.8141	-.3852	.9782	.2848	-.2597	.9800	-.8885	-.3920	1.2000	1268	.0893	.9799	-.8141	-.3852	.9782	.2848	-.2597	.9800	-.8885	-.3920	1.2000
1269	-1.8132	.8039	-.8401	-.4161	.8387	.2473	-.2918	.8016	-.9255	-.4242	1.2000	1269	-1.8132	.8039	-.8401	-.4161	.8387	.2473	-.2918	.8016	-.9255	-.4242	1.2000
1270	.0659	.9863	-.8285	-.3897	.9850	.2831	-.2627	.9864	-.8902	-.3951	1.2000	1270	.0659	.9863	-.8285	-.3897	.9850	.2831	-.2627	.9864	-.8902	-.3951	1.2000
1271	1.9896	1.1431	-.7872	-.3566	1.1046	.3064	-.2316	1.1454	-.8662	-.3640	1.2000	1271	1.9896	1.1431	-.7872	-.3566	1.1046	.3064	-.2316	1.1454	-.8662	-.3640	1.2000
1272	3.9475	1.3137	-.7494	-.3241	1.2377	.3386	-.1994	1.3185	-.8319	-.3318	1.2000	1272	3.9475	1.3137	-.7494	-.3241	1.2377	.3386	-.1994	1.3185	-.8319	-.3318	1.2000
1273	5.9452	1.5029	-.7051	-.2916	1.3880	.3838	-.1665	1.5096	-.7832	-.2988	1.2000	1273	5.9452	1.5029	-.7051	-.2916	1.3880	.3838	-.1665	1.5096	-.7832	-.2988	1.2000
1274	7.9750	1.6860	-.6384	-.2574	1.5316	.4495	-.1319	1.6944	-.7124	-.2642	1.2000	1274	7.9750	1.6860	-.6384	-.2574	1.5316	.4495	-.1319	1.6944	-.7124	-.2642	1.2000
1275	10.0080	1.8792	-.5887	-.2281	1.6789	.5316	-.0981	1.8828	-.6239	-.2304	1.2000	1275	10.0080	1.8792	-.5887	-.2281	1.6789	.5316	-.0981	1.8828	-.6239	-.2304	1.2000
1276	12.1461	2.0464	-.4761	-.1815	1.8000	.6127	-.0541	2.0557	-.5344	-.1864	1.2000	1276	12.1461	2.0464	-.4761	-.1815	1.8000	.6127	-.0541	2.0557	-.5344	-.1864	1.2000
1277	14.2152	2.2376	-.3732	-.1405	1.9588	.7119	-.0124	2.2469	-.4255	-.1448	1.2000	1277	14.2152	2.2376	-.3732	-.1405	1.9588	.7119	-.0124	2.2469	-.4255	-.1448	1.2000
1278	16.2067	2.3969	-.2479	-.0946	2.0868	.8029	.0307	2.4143	-.3238	-.1017	1.2000	1278	16.2067	2.3969	-.2479	-.0946	2.0868	.8029	.0307	2.4143	-.3238	-.1017	1.2000
1279	18.2275	2.5672	-.1318	-.0475	2.2163	.9173	.0791	2.5633	-.1971	-.0532	1.2000	1279	18.2275	2.5672	-.1318	-.0475	2.2163	.9173	.0791	2.5633	-.1971	-.0532	1.2000
1280	20.2547	2.6402	-.0391	.0313	2.2451	1.0131	.1601	2.6513	-.0877	.0277	1.2000	1280	20.2547	2.6402	-.0391	.0313	2.2451	1.0131	.1601	2.6513	-.0877	.0277	1.2000
1281	21.7290	2.6770	.0377	.0822	2.2532	1.0810	.2114	2.6876	-.0090	.0790	1.2000	1281	21.7290	2.6770	.0377	.0822	2.2532	1.0810	.2114	2.6876	-.0090	.0790	1.2000
1282	.0593	.9718	-.8150	-.3858	.9707	.2766	-.2810	.9719	-.8967	-.3934	1.2000	1282	.0593	.9718	-.8150	-.3858	.9707	.2766	-.2810	.9719	-.8967	-.3934	1.2000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1283	.166	1925	.07	-.00	100308	1.1539	-1.2504	-.5007	.0025	-.0006	.0100
1284	.166	1939	-1.80	-.00	100294	1.0067	-1.2571	-.5350	.0020	-.0012	.0099
1285	.166	1939	.10	-.00	100294	1.1599	-1.2562	-.5039	-.0004	-.0007	.0110
1286	.166	1945	2.02	.00	100291	1.2978	-1.2634	-.4738	.0018	-.0015	-.0017
1287	.165	1919	3.97	-.00	100314	1.4354	-1.2617	-.4362	.0025	-.0010	.0097
1288	.165	1922	5.97	-.00	100311	1.6049	-1.2836	-.4056	.0044	-.0022	.0179
1289	.167	1965	7.99	.00	100268	1.7671	-1.2700	-.3711	.0041	-.0023	-.0113
1290	.165	1916	10.05	-.00	100318	1.9516	-1.3151	-.3440	.0060	-.0002	.0087
1291	.165	1919	12.15	-.00	100314	2.1392	-1.3318	-.3111	.0025	-.0002	.0104
1292	.165	1906	14.25	-.00	100328	2.3325	-1.3586	-.2787	.0006	-.0007	.0114
1293	.164	1883	16.25	-.00	100351	2.5235	-1.3904	-.2452	.0002	-.0004	.0105
1294	.166	1932	18.25	-.00	100298	2.6997	-1.3712	-.1977	.0002	-.0003	.0134
1295	.165	1916	20.26	-.00	100318	2.8421	-1.4027	-.1364	.0035	.0000	.0159
1296	.167	1965	21.70	-.00	100268	2.8200	-1.3749	-.0500	.0053	.0011	.0110
1297	.166	1929	.05	-.00	100298	1.1540	-1.2548	-.5055	.0027	-.0006	.0099

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CHU,J	CD,N	CD,C		
1283	.0673	26.8379	2.6431	23.3137	1.5945	1.4021	.2287	-1.5867	.0172		
1284	-1.8033	26.9494	2.6554	23.2892	1.5926	1.4003	.2285	-1.5866	.0170		
1285	.1027	26.9951	2.6619	23.2762	1.5976	1.4047	.2292	-1.5936	.0172		
1286	2.0233	27.0596	2.6631	23.2737	1.5975	1.4047	.2290	-1.5883	.0175		
1287	3.9699	26.5898	2.6055	23.3890	1.5753	1.3852	.2260	-1.5520	.0175		
1288	5.9686	26.7381	2.6350	23.3300	1.5890	1.3972	.2280	-1.5730	.0179		
1289	7.9937	26.7782	2.6405	23.3191	1.5580	1.3699	.2235	-1.5364	.0175		
1290	10.0508	26.7812	2.6436	23.3129	1.6000	1.4069	.2295	-1.5709	.0180		
1291	12.1505	26.8251	2.6478	23.3044	1.6005	1.4073	.2296	-1.5610	.0180		
1292	14.2497	26.8531	2.6515	23.2970	1.6150	1.4201	.2316	-1.5621	.0178		
1293	16.2548	26.9143	2.6551	23.2899	1.6401	1.4423	.2352	-1.5700	.0176		
1294	18.2510	26.9666	2.6597	23.2807	1.6011	1.4078	.2297	-1.5166	.0179		
1295	20.2641	27.0370	2.6668	23.2663	1.6219	1.4261	.2326	-1.5179	.0190		
1296	21.6994	27.0663	2.6700	23.2600	1.5842	1.3932	.2271	-1.4675	.0203		
1297	.0509	26.8562	2.6480	23.3041	1.5944	1.4019	.2287	-1.5884	.0172		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1283	.0673	1.1554	-1.2490	-.5007	1.1535	.3283	-.3208	1.1552	-1.1384	-.4863	1.5000
1284	-1.8033	.9666	-1.2882	-.5350	1.0167	.2866	-.3554	.9706	-1.1793	-.5208	1.5000
1285	.1027	1.1621	-1.2541	-.5039	1.1593	.3263	-.3236	1.1619	-1.1404	-.4891	1.5000
1286	2.0233	1.3416	-1.2168	-.4738	1.2852	.3622	-.2936	1.3370	-1.1036	-.4591	1.5000
1287	3.9699	1.5193	-1.1593	-.4362	1.4103	.3947	-.2585	1.5118	-1.0684	-.4239	1.5000
1288	5.9686	1.7297	-1.1098	-.4056	1.5645	.4528	-.2263	1.7170	-1.0059	-.3918	1.5000
1289	7.9937	1.9266	-1.0119	-.3711	1.7099	.5134	-.1953	1.9139	-.9390	-.3606	1.5000
1290	10.0508	2.1511	-.9543	-.3447	1.8719	.6033	-.1635	2.1279	-.8409	-.3289	1.5000
1291	12.1505	2.3716	-.8517	-.3111	2.0348	.6949	-.1306	2.3435	-.7389	-.2960	1.5000
1292	14.2497	2.5952	-.7427	-.2787	2.1977	.8049	-.0965	2.5587	-.6167	-.2619	1.5000
1293	16.2548	2.8118	-.6285	-.2452	2.3527	.9285	-.0601	2.7632	-.4795	-.2256	1.5000
1294	18.2510	2.9933	-.4567	-.1977	2.4919	1.0460	-.0171	2.9512	-.3469	-.1826	1.5000
1295	20.2641	3.1520	-.3315	-.1364	2.5903	1.1710	.0466	3.0983	-.2048	-.1188	1.5000
1296	21.6994	3.1285	-.2348	-.0500	2.5428	1.2168	.1288	3.0850	-.1459	-.0367	1.5000
1297	.0509	1.1551	-1.2538	-.5055	1.1537	.3234	-.3256	1.1550	-1.1433	-.4911	1.5000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1298	.167	1962	.06	-.00	100274	1.1877	-1.4808	-.5297	.0015	-.0003	.0053
1299	.166	1942	-1.81	-.00	100284	1.0515	-1.5003	-.5656	.0014	-.0006	.0089
1300	.166	1945	.09	-.00	100281	1.2000	-1.4976	-.5352	.0016	-.0002	.0066
1301	.166	1939	2.00	-.00	100288	1.3374	-1.5081	-.5037	.0014	-.0004	.0054
1302	.165	1919	3.96	-.00	100308	1.4939	-1.5392	-.4790	.0015	-.0002	-.0037
1303	.165	1912	5.94	-.00	100314	1.6637	-1.5637	-.4495	.0036	-.0021	.0099
1304	.165	1922	7.99	-.00	100304	1.8416	-1.5655	-.4171	.0029	-.0002	.0080
1305	.167	1958	10.07	-.00	100261	1.9961	-1.5491	-.3768	.0039	-.0008	-.0032
1306	.166	1939	12.16	-.00	100281	2.1847	-1.5643	-.3426	.0015	-.0004	.0079
1307	.165	1919	14.26	-.00	100381	2.3914	-1.5877	-.3081	-.0015	-.0008	.0104
1308	.164	1896	16.25	-.00	100324	2.5669	-1.6215	-.2820	-.0017	-.0007	.0081
1309	.165	1902	18.25	-.00	100318	2.7810	-1.6320	-.2395	-.0011	-.0001	.0088
1310	.165	1906	20.26	-.00	100314	2.9546	-1.6453	-.1881	.0021	-.0004	.0064
1311	.166	1929	21.67	-.00	100291	2.9653	-1.6374	-.1067	.0053	.0012	.0040
1312	.166	1942	.08	-.00	100271	1.1957	-1.4939	-.5321	.0023	-.0003	.0062
1313	.166	1932	.03	-.00	100281	.4650	.0741	-.1332	-.0005	.0007	-.0004

NASA LANGLEY											
TEST 995			79								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1298	.0613	29.8247	2.9480	22.7040	1.8223	1.6025	.2613	-1.8456	.0183		
1299	-1.8084	29.8107	2.9481	22.7038	1.8394	1.6174	.2638	-1.8638	.0182		
1300	.0939	29.8867	2.9560	22.6880	1.8433	1.6208	.2644	-1.8690	.0184		
1301	2.0048	29.8278	2.9498	22.7003	1.8451	1.6225	.2645	-1.8685	.0187		
1302	3.9640	29.8927	2.9535	22.6930	1.8682	1.6427	.2680	-1.8883	.0192		
1303	5.9411	29.9571	2.9598	22.6804	1.8802	1.6533	.2697	-1.8954	.0192		
1304	7.9863	29.9273	2.9606	22.6789	1.8692	1.6436	.2681	-1.8780	.0193		
1305	10.0662	29.9061	2.9581	22.6837	1.8330	1.6118	.2628	-1.8295	.0192		
1306	12.1594	29.6956	2.9323	22.7354	1.8328	1.6117	.2628	-1.8111	.0192		
1307	14.2562	29.5761	2.9220	22.7561	1.8396	1.6176	.2640	-1.8048	.0190		
1308	16.2454	29.6330	2.9252	22.7496	1.8678	1.6425	.2678	-1.8131	.0188		
1309	18.2545	29.6627	2.9277	22.7447	1.8633	1.6384	.2672	-1.7894	.0190		
1310	20.2586	29.6533	2.9299	22.7401	1.8598	1.6353	.2666	-1.7666	.0201		
1311	21.6657	29.7140	2.9329	22.7342	1.8429	1.6206	.2642	-1.7313	.0217		
1312	.0751	29.8054	2.9411	22.7179	1.8380	1.6163	.2635	-1.8577	.0183		
1313	.0329	0.0000	.9617	26.6767	0.0000	0.0000	0.0000	.0369	.0083		

NASA LANGLEY											
TEST 995			79								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1298	.0613	1.1893	-1.4796	-.5297	1.1874	.3245	-.3241	1.1892	-1.4355	-.5227	1.8000
1299	-1.8084	1.0037	-1.5328	-.5656	1.0617	.2875	-.3581	1.0062	-1.4716	-.5567	1.8000
1300	.0939	1.2025	-1.4959	-.5352	1.1995	.3291	-.3272	1.2023	-1.4309	-.5258	1.8000
1301	2.0048	1.3894	-1.4604	-.5037	1.3248	.3649	-.2955	1.3864	-1.3940	-.4941	1.8000
1302	3.9640	1.5967	-1.4323	-.4790	1.4676	.4123	-.2683	1.5892	-1.3435	-.4668	1.8000
1303	5.9411	1.8166	-1.3831	-.4495	1.6220	.4678	-.2374	1.8042	-1.2828	-.4359	1.8000
1304	7.9863	2.0412	-1.2945	-.4171	1.7815	.5373	-.2063	2.0260	-1.2056	-.4048	1.8000
1305	10.0662	2.2362	-1.1764	-.3768	1.9158	.6092	-.1780	2.2234	-1.1237	-.3686	1.8000
1306	12.1594	2.4652	-1.0691	-.3426	2.0791	.7035	-.1358	2.4498	-1.0171	-.3344	1.8000
1307	14.2562	2.7087	-.9499	-.3081	2.2557	.8142	-.1005	2.6891	-.8916	-.2991	1.8000
1308	16.2454	2.9181	-.8386	-.2820	2.3955	.9359	-.0712	2.8879	-.7539	-.2698	1.8000
1309	18.2545	3.1523	-.6787	-.2395	2.5686	1.0718	-.0292	3.1199	-.5997	-.2278	1.8000
1310	20.2586	3.3415	-.5205	-.1881	2.6975	1.2042	.0218	3.3069	-.4469	-.1768	1.8000
1311	21.6657	3.3604	-.4270	-.1067	2.6800	1.2641	.1012	3.3297	-.3716	-.0974	1.8000
1312	.0751	1.1977	-1.4923	-.5321	1.1952	.3273	-.3247	1.1976	-1.4327	-.5233	1.8000
1313	.0329	.4650	.0744	-.1332	.4650	.0292	-.1332	.4650	.0660	-.1332	1.0000

TEST 995 NASA LANGLEY

RUN 7 X 10 HIGH SPEED TUNNEL 81

POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1331	.166	1942	.04	-.00	100305	.6373	.1082	-.1906	-.0014	.0003	.0010
1332	.166	1942	-1.83	-.00	100305	.5069	.1156	-.2257	-.0023	.0001	.0006
1333	.166	1945	.06	-.00	100301	.6397	.1115	-.1901	-.0018	.0001	-.0012
1334	.165	1922	1.98	-.00	100325	.7636	.1018	-.1570	-.0025	.0003	.0032
1335	.165	1912	3.95	-.00	100335	.9046	.0903	-.1215	-.0002	-.0004	.0017
1336	.166	1929	5.93	-.00	100321	1.0407	.0812	-.0906	-.0018	.0001	.0042
1337	.166	1939	7.96	.00	100308	1.1742	.0808	-.0444	-.0031	.0006	-.0073
1338	.165	1922	10.02	-.00	100325	1.2648	.0796	-.0017	-.0027	.0003	.0009
1339	.166	1939	12.12	-.00	100308	1.3530	.0812	.0447	-.0024	.0001	.0036
1340	.166	1925	14.16	-.00	100321	1.4311	.0903	.0894	-.0028	.0001	.0019
1341	.165	1922	16.18	.00	100325	1.5612	.0997	.0931	-.0039	-.0024	-.0231
1342	.164	1892	18.18	-.00	100355	1.7228	.1032	.1251	-.0023	.0001	.0026
1343	.165	1912	20.21	-.00	100335	1.8481	.0973	.1741	-.0004	.0004	-.0022
1344	.165	1922	21.67	-.00	100325	1.9412	.0918	.2140	.0006	.0029	.0183
1345	.166	1929	.06	-.00	100318	.6382	.1224	-.1902	-.0017	.0001	-.0013

TEST 995

RUN 81

POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C
1331	.0392	0.0000	.9719	36.8704	0.0000	0.0000	0.0000	.0269	.0092
1332	-1.8272	0.0000	.9721	36.8698	0.0000	0.0000	0.0000	.0267	.0094
1333	.0650	0.0000	.9719	36.8704	0.0000	0.0000	0.0000	.0269	.0093
1334	1.9844	0.0000	.9719	36.8703	0.0000	0.0000	0.0000	.0272	.0091
1335	3.9501	0.0000	.9719	36.8703	0.0000	0.0000	0.0000	.0273	.0090
1336	5.9315	0.0000	.9713	36.8718	0.0000	0.0000	0.0000	.0275	.0089
1337	7.9617	0.0000	.9698	36.8756	0.0000	0.0000	0.0000	.0287	.0089
1338	10.0152	0.0000	.9687	36.8782	0.0000	0.0000	0.0000	.0298	.0094
1339	12.1207	0.0000	.9667	36.8833	0.0000	0.0000	0.0000	.0313	.0099
1340	14.1558	0.0000	.9650	36.8874	0.0000	0.0000	0.0000	.0327	.0106
1341	16.1765	0.0000	.9671	36.8822	0.0000	0.0000	0.0000	.0306	.0103
1342	18.1754	0.0000	.9623	36.8943	0.0000	0.0000	0.0000	.0352	.0107
1343	20.2057	0.0000	.9617	36.8959	0.0000	0.0000	0.0000	.0350	.0113
1344	21.6741	0.0000	.9602	36.8996	0.0000	0.0000	0.0000	.0358	.0115
1345	.0575	0.0000	.9719	36.8703	0.0000	0.0000	0.0000	.0271	.0092

TEST 995

RUN 81

POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOH	CD,NOH	CM,NOH	CMU,NOH
1331	.0392	.6372	.1006	-.1906	.6372	.0724	-.1906	.6372	.0994	-.1906	1.0000
1332	-1.8272	.5104	.0994	-.2257	.5104	.0633	-.2257	.5104	.0900	-.2257	1.0000
1333	.0650	.6396	.1122	-.1901	.6396	.0760	-.1901	.6396	.1029	-.1901	1.0000
1334	1.9844	.7536	.1282	-.1570	.7596	.0919	-.1570	.7596	.1191	-.1570	1.0000
1335	3.9501	.8962	.1524	-.1215	.8962	.1161	-.1215	.8962	.1434	-.1215	1.0000
1336	5.9315	1.0267	.1883	-.0906	1.0267	.1518	-.0906	1.0267	.1794	-.0906	1.0000
1337	7.9617	1.1517	.2426	-.0444	1.1517	.2050	-.0444	1.1517	.2337	-.0444	1.0000
1338	10.0152	1.2317	.2983	-.0017	1.2317	.2592	-.0017	1.2317	.2890	-.0017	1.0000
1339	12.1207	1.3058	.3634	.0447	1.3058	.3223	.0447	1.3058	.3535	.0447	1.0000
1340	14.1558	1.3656	.4375	.0894	1.3656	.3942	.0894	1.3656	.4270	.0894	1.0000
1341	16.1765	1.4716	.5307	.0931	1.4716	.4898	.0931	1.4716	.5204	.0931	1.0000
1342	18.1754	1.6046	.6354	.1251	1.6046	.5894	.1251	1.6046	.6247	.1251	1.0000
1343	20.2057	1.7007	.7296	.1741	1.7007	.6834	.1741	1.7007	.7184	.1741	1.0000
1344	21.6741	1.7700	.8022	.2140	1.7700	.7550	.2140	1.7700	.7908	.2140	1.0000
1345	.0575	.6381	.1231	-.1902	.6381	.0868	-.1902	.6381	.1139	-.1902	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P-INF N/(MXM)	RUN 82					
						GNF	CAF	CPM	CRM,B	CYM,B	CSF
1347	.167	1955	.05	-.00	100298	.6399	-.1218	-.1892	-.0016	-.0001	-.0013
1348	.166	1942	.09	-.00	100318	1.5919	-1.2873	-.8433	.0031	-.0034	.0176
1349	.165	1916	-1.77	.00	100345	1.4586	-1.3055	-.8838	.0016	-.0044	.0071
1350	.167	1949	.09	-.00	100311	1.5937	-1.2844	-.8411	.0030	-.0036	.0129
1351	.167	1955	2.01	-.00	100305	1.7324	-1.2905	-.8123	.0032	-.0051	.0359
1352	.166	1925	3.97	-.00	100335	1.9018	-1.3254	-.7929	.0032	-.0047	.0151
1353	.165	1902	5.98	-.00	100355	2.0923	-1.3557	-.7688	.0048	-.0046	.0165
1354	.164	1879	7.96	-.00	100382	2.2826	-1.3874	-.7456	.0049	-.0038	.0150
1355	.165	1906	10.07	-.00	100355	2.4480	-1.3832	-.7045	.0052	-.0030	.0151
1356	.166	1932	12.17	-.00	100325	2.6302	-1.3801	-.6662	.0016	-.0035	.0152
1357	.166	1925	14.27	-.00	100342	2.8242	-1.4063	-.6337	-.0003	-.0041	.0139
1358	.166	1939	16.25	-.00	100318	3.0059	-1.4122	-.5901	.0003	-.0036	.0129
1359	.165	1906	18.29	-.00	100355	3.2279	-1.4577	-.5572	-.0007	-.0031	.0142
1360	.164	1889	20.24	-.00	100372	3.3720	-1.4885	-.5038	.0024	-.0032	.0137
1361	.165	1909	21.72	-.00	100352	3.3691	-1.4821	-.4171	.0053	-.0037	.0264
1362	.166	1945	.09	-.00	100308	1.5918	-1.2894	-.8424	.0010	-.0035	.0115
1363	.167	1962	.04	-.00	100291	.6398	-.1007	-.1934	-.0016	.0004	-.0001

TEST		995		RUN		82				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
1347	.0466	0.0000	.9714	36.8715	0.0000	0.0000	0.0000	.0272	.0093	
1348	.0854	29.9105	2.9575	31.9062	1.8383	1.6165	.2637	-1.8743	.0176	
1349	-1.7741	29.8855	2.9536	31.9159	1.8617	1.6370	.2671	-1.8960	.0173	
1350	.0905	29.8587	2.9564	31.9091	1.8300	1.6091	.2625	-1.8668	.0178	
1351	2.0057	29.8852	2.9596	31.9010	1.8269	1.6061	.2620	-1.8622	.0180	
1352	3.9665	29.9008	2.9557	31.9108	1.8545	1.6306	.2660	-1.8844	.0180	
1353	5.9757	29.8956	2.9631	31.8924	1.8794	1.6527	.2695	-1.9091	.0182	
1354	7.9555	29.9106	2.9607	31.8982	1.9023	1.6726	.2729	-1.9227	.0185	
1355	10.0669	29.9168	2.9576	31.9060	1.8759	1.6495	.2690	-1.8814	.0188	
1356	12.1727	29.9525	2.9654	31.8865	1.8546	1.6308	.2659	-1.8491	.0189	
1357	14.2745	29.9721	2.9682	31.8796	1.8628	1.6380	.2671	-1.8424	.0189	
1358	16.2471	30.0062	2.9686	31.8785	1.8520	1.6285	.2656	-1.8127	.0191	
1359	18.2909	30.0188	2.9730	31.8676	1.8861	1.6585	.2705	-1.8285	.0190	
1360	20.2416	30.0405	2.9698	31.8754	1.9022	1.6725	.2729	-1.8201	.0202	
1361	21.7197	30.0390	2.9716	31.8709	1.8838	1.6565	.2701	-1.7848	.0223	
1362	.0902	29.8002	2.9493	31.9267	1.8300	1.6093	.2623	-1.8631	.0176	
1363	.0442	0.0000	.9689	36.8779	0.0000	0.0000	0.0000	.0295	.0093	

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 82					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1347	.0466	.6398	.1223	-.1892	.6398	.0858	-.1892	.6398	.1130	-.1892	1.0000
1348	.0854	1.5938	-1.2849	-.8433	1.5911	.5358	-.6359	1.5937	-1.2242	-.8344	1.0000
1349	-1.7741	1.4174	-1.3501	-.8038	1.4751	.4935	-.6738	1.4206	-1.2657	-.8724	1.0000
1350	.0905	1.5957	-1.2819	-.8411	1.5928	.5303	-.6346	1.5956	-1.2297	-.8332	1.0000
1351	2.0057	1.7765	-1.2290	-.8123	1.7125	.5783	-.6062	1.7741	-1.1806	-.8048	1.0000
1352	3.9665	1.9890	-1.1906	-.7929	1.8607	.6413	-.5837	1.9824	-1.1144	-.7822	1.0000
1353	5.9757	2.2221	-1.1305	-.7688	2.0264	.7205	-.5568	2.2097	-1.0300	-.7553	1.0000
1354	7.9555	2.4526	-1.0581	-.7456	2.1894	.8074	-.5310	2.4329	-.9357	-.7296	1.0000
1355	10.0669	2.6521	-.9340	-.7045	2.3242	.8942	-.4928	2.6319	-.8387	-.6914	1.0000
1356	12.1727	2.8621	-.7945	-.6662	2.4710	.9995	-.4569	2.8421	-.7209	-.6555	1.0000
1357	14.2745	3.0837	-.6665	-.6337	2.6244	1.1199	-.4236	3.0584	-.5858	-.6221	1.0000
1358	16.2471	3.2810	-.5148	-.5901	2.7628	1.2441	-.3812	3.2552	-.4456	-.5797	1.0000
1359	18.2909	3.5223	-.3710	-.5572	2.9304	1.4008	-.3444	3.4827	-.2702	-.5429	1.0000
1360	20.2416	3.6788	-.2299	-.5038	3.0206	1.5346	-.2892	3.6296	-.1167	-.4877	1.0000
1361	21.7197	3.6784	-.1301	-.4171	2.9813	1.5977	-.2046	3.6326	-.0374	-.4031	1.0000
1362	.0902	1.5938	-1.2869	-.8424	1.5909	.5256	-.6359	1.5937	-1.2344	-.8345	1.0000
1363	.0442	.6397	.1011	-.1934	.6397	.0623	-.1934	.6397	.0919	-.1934	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1373	.167	1949	.01	.00	100332	.1707	.0541	-.0427	-.0023	.0006	-.0120
1374	.165	1909	-1.88	-.00	100345	.0463	.0599	-.0780	-.0031	-.0001	.0001
1375	.168	1988	.04	-.00	100264	.1741	.0582	-.0414	-.0019	.0001	.0004
1376	.166	1932	1.95	-.00	100328	.2992	.0527	-.0100	-.0020	.0005	.0022
1377	.166	1932	3.90	-.00	100328	.4325	.0443	.0270	-.0023	.0003	.0030
1378	.165	1919	5.88	-.00	100335	.5756	.0314	.0639	-.0018	-.0004	.0046
1379	.165	1906	7.92	-.00	100348	.7228	.0213	.0979	-.0020	-.0001	.0052
1380	.165	1916	9.98	-.00	100338	.8551	.0135	.1349	-.0021	.0004	.0080
1381	.165	1912	12.10	-.00	100341	.9627	.0068	.1828	-.0020	.0002	.0039
1382	.166	1925	14.17	-.00	100321	1.0666	.0048	.2334	-.0027	.0003	.0036
1383	.164	1886	16.17	-.00	100361	1.1927	.0234	.2434	-.0026	.0004	.0009
1384	.165	1906	18.18	-.00	100345	1.3110	.0232	.2784	-.0024	.0003	.0046
1385	.165	1906	20.17	-.00	100345	1.4616	.0151	.3202	-.0029	.0008	.0018
1386	.164	1899	21.74	-.00	100355	1.5731	.0105	.3546	-.0020	.0011	.0053
1387	.166	1932	.01	-.00	100321	.1768	.0700	-.0415	-.0012	.0002	.0024

TEST		995		RUN		84			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1373	.0068	0.0000	.9784	7.0000	0.0000	0.0000	0.0000	.0207	.0076
1374	-1.8778	0.0000	.9797	7.0000	0.0000	0.0000	0.0000	.0197	.0078
1375	.0374	0.0000	.9794	7.0000	0.0000	0.0000	0.0000	.0193	.0076
1376	1.9485	0.0000	.9797	7.0000	0.0000	0.0000	0.0000	.0195	.0075
1377	3.8968	0.0000	.9799	7.0000	0.0000	0.0000	0.0000	.0193	.0077
1378	5.8819	0.0000	.9795	7.0000	0.0000	0.0000	0.0000	.0197	.0076
1379	7.9157	0.0000	.9794	7.0000	0.0000	0.0000	0.0000	.0199	.0078
1380	9.9768	0.0000	.9787	7.0000	0.0000	0.0000	0.0000	.0203	.0079
1381	12.0971	0.0000	.9775	7.0000	0.0000	0.0000	0.0000	.0214	.0081
1382	14.1718	0.0000	.9759	7.0000	0.0000	0.0000	0.0000	.0225	.0080
1383	16.1723	0.0000	.9722	7.0000	0.0000	0.0000	0.0000	.0263	.0087
1384	18.1809	0.0000	.9692	7.0000	0.0000	0.0000	0.0000	.0286	.0089
1385	20.1670	0.0000	.9676	7.0000	0.0000	0.0000	0.0000	.0297	.0091
1386	21.7356	0.0000	.9676	7.0000	0.0000	0.0000	0.0000	.0295	.0093
1387	.0094	0.0000	.9801	7.0000	0.0000	0.0000	0.0000	.0192	.0077

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1373	.0068	.1706	.0542	-.0427	.1706	.0260	-.0427	.1706	.0466	-.0427	1.0000
1374	-1.8778	.0483	.0584	-.0780	.0483	.0308	-.0780	.0483	.0506	-.0780	1.0000
1375	.0374	.1741	.0583	-.0414	.1741	.0314	-.0414	.1741	.0507	-.0414	1.0000
1376	1.9485	.2972	.0629	-.0100	.2972	.0359	-.0100	.2972	.0553	-.0100	1.0000
1377	3.8968	.4285	.0736	.0270	.4285	.0466	.0270	.4285	.0659	.0270	1.0000
1378	5.8819	.5693	.0902	.0639	.5693	.0628	.0639	.5693	.0826	.0639	1.0000
1379	7.9157	.7130	.1206	.0979	.7130	.0929	.0979	.7130	.1128	.0979	1.0000
1380	9.9768	.8399	.1614	.1349	.8399	.1332	.1349	.8399	.1535	.1349	1.0000
1381	12.0971	.9399	.2084	.1828	.9399	.1789	.1828	.9399	.2002	.1828	1.0000
1382	14.1718	1.0330	.2658	.2334	1.0330	.2352	.2334	1.0330	.2578	.2334	1.0000
1383	16.1723	1.1390	.3546	.2434	1.1390	.3196	.2434	1.1390	.3459	.2434	1.0000
1384	18.1809	1.2383	.4311	.2784	1.2383	.3936	.2784	1.2383	.4222	.2784	1.0000
1385	20.1670	1.3668	.5180	.3202	1.3668	.4792	.3202	1.3668	.5089	.3202	1.0000
1386	21.7356	1.4574	.5923	.3546	1.4574	.5535	.3546	1.4574	.5830	.3546	1.0000
1387	.0094	.1768	.0700	-.0415	.1768	.0431	-.0415	.1768	.0623	-.0415	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 85								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P-INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1388	.166	1935	-1.00	-1.00	100325	.1765	.0701	-.0414	-.0017	.0001	.0037
1389	.166	1939	-1.00	-1.00	100321	.1752	.0785	-.0395	-.0016	-.0001	.0013
1390	.166	1945	.02	-1.00	100321	.4230	-1.5815	-.1996	-.0009	.0035	.0115
1391	.166	1945	-1.86	-1.00	100321	.2709	-1.5898	-.2309	-.0016	.0031	.0123
1392	.166	1939	.05	-1.00	100328	.4314	-1.6011	-.2036	-.0013	.0020	-.0083
1393	.166	1935	1.98	-1.00	100332	.5672	-1.5881	-.1683	-.0008	.0044	-.0015
1394	.166	1945	3.93	-1.00	100321	.7162	-1.5917	-.1377	-.0009	.0035	.0115
1395	.167	1949	5.93	-1.00	100318	.8618	-1.6102	-.1053	-.0009	.0031	.0122
1397	.166	1932	7.95	-1.00	100342	1.0262	-1.5995	-.0676	.0006	.0023	.0106
1398	.166	1945	10.01	-1.00	100328	1.2047	-1.6064	-.0425	.0005	.0037	.0147
1399	.168	1972	12.13	-1.00	100308	1.4026	-1.6158	-.0202	.0006	.0037	.0114
1400	.167	1952	14.19	-1.00	100332	1.6185	-1.6502	.0047	-.0028	.0036	.0084
1401	.166	1942	16.22	-1.00	100342	1.8093	-1.6804	.0386	-.0032	.0037	.0114
1402	.166	1945	18.23	-1.00	100338	2.0022	-1.6990	.0756	-.0031	.0041	.0141
1403	.167	1962	20.23	-1.00	100325	2.2118	-1.6830	.1098	-.0003	.0052	.0123
1404	.166	1935	21.77	-1.00	100355	2.3305	-1.7302	.1525	.0024	.0057	.0110
1405	.166	1935	.02	-1.00	100348	.4140	-1.5684	-.1925	-.0004	.0034	.0055
1406	.166	1939	.01	-1.00	100352	.1762	.0581	-.0434	-.0030	-.0001	.0008

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 85								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1388	-.0022	0.0000	.9803	7.0000	0.0000	0.0000	0.0000	.0189	.0077		
1389	-.0022	.1244	.9801	7.0000	0.0000	0.0000	0.0000	.0191	.0077		
1390	.0166	30.1931	2.9639	7.0000	1.8501	1.6259	.2663	-1.8965	.0324		
1391	-1.8615	30.1991	2.9910	7.0000	1.8563	1.6315	.2671	-1.9023	.0323		
1392	.0541	30.2305	2.9926	7.0000	1.8649	1.6388	.2685	-1.9114	.0326		
1393	1.9768	29.9540	2.9737	7.0000	1.8514	1.6272	.2663	-1.8954	.0326		
1394	3.9335	29.9611	2.9710	7.0000	1.8426	1.6194	.2651	-1.8796	.0323		
1395	5.9258	30.0633	2.9861	7.0000	1.8507	1.6265	.2663	-1.8851	.0323		
1397	7.9463	29.5717	2.9417	7.0000	1.8274	1.6060	.2629	-1.8512	.0322		
1398	10.0141	29.6668	2.9481	7.0000	1.8230	1.6022	.2622	-1.8339	.0316		
1399	12.1318	29.8949	2.9714	7.0000	1.8185	1.5982	.2616	-1.8175	.0306		
1400	14.1917	29.8823	2.9653	7.0000	1.8332	1.6109	.2639	-1.8153	.0300		
1401	16.2183	29.9720	2.9742	7.0000	1.8510	1.6275	.2664	-1.8155	.0295		
1402	18.2321	30.0664	2.9830	7.0000	1.8571	1.6322	.2671	-1.8007	.0287		
1403	20.2270	29.7780	2.9553	7.0000	1.8161	1.5961	.2613	-1.7391	.0283		
1404	21.7681	29.9096	2.9680	7.0000	1.8532	1.6288	.2665	-1.7566	.0288		
1405	.0231	29.7293	2.9517	7.0000	1.8372	1.6145	.2644	-1.8757	.0323		
1406	.0071	0.0000	.9697	7.0000	0.0000	0.0000	0.0000	.0291	.0076		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 85								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1388	-.0022	.1765	.0701	-.0414	.1765	.0435	-.0414	.1765	.0624	-.0414	1.0000
1389	-.0022	.1752	.0785	-.0395	.1752	.0517	-.0395	.1752	.0708	-.0395	1.0000
1390	.0166	.4234	-1.5813	-.1996	.4229	.2363	.0092	.4234	-1.5237	-.1894	1.8000
1391	-1.8615	.2192	-1.5978	-.2309	.2795	.2253	-.0215	.2223	-1.5338	-.2201	1.8000
1392	.0541	.4329	-1.6007	-.2036	.4312	.2316	.0068	.4328	-1.5284	-.1917	1.8000
1393	1.9768	.6217	-1.5676	-.1683	.5578	.2501	.0406	.6185	-1.5088	-.1580	1.8000
1394	3.9335	.8237	-1.5388	-.1377	.6973	.2671	.0702	.8180	-1.4888	-.1283	1.8000
1395	5.9258	1.0234	-1.5126	-.1053	.8323	.2959	.1035	1.0140	-1.4547	-.0951	1.8000
1397	7.9463	1.2374	-1.4423	-.0676	.9848	.3354	.1385	1.2281	-1.4077	-.0600	1.8000
1398	10.0141	1.4657	-1.3725	-.0425	1.1487	.3912	.1632	1.4547	-1.3420	-.0354	1.8000
1399	12.1318	1.7108	-1.2849	-.0202	1.3287	.4624	.1850	1.6986	-1.2583	-.0136	1.8000
1400	14.1917	1.9737	-1.2031	.0047	1.5243	.5441	.2115	1.9558	-1.1622	.0130	1.8000
1401	16.2183	2.2066	-1.1082	.0386	1.6894	.6403	.2475	2.1810	-1.0496	.0469	1.8000
1402	18.2321	2.4332	-.9873	.0756	1.8522	.7479	.2852	2.4828	-.9237	.0866	1.8000
1403	20.2270	2.6573	-.8146	.1098	2.0294	.8613	.3147	2.6379	-.7902	.1161	1.8000
1404	21.7681	2.8060	-.7426	.1525	2.1187	.9497	.3616	2.7714	-.6848	.1630	1.8000
1405	.0231	.4147	-1.5682	-.1925	.4139	.2367	.0147	.4146	-1.5233	-.1838	1.8000
1406	.0071	.1762	.0581	-.0434	.1762	.0215	-.0434	.1762	.0506	-.0434	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 87									
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P, INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYN,B	CSF
1428	.166	1932	.00	-.00	100440	.1447	.0480	-.0367	-.0027	.0003	-.0038
1429	.166	1932	-1.88	-.00	100440	.0103	.0509	-.0691	-.0028	.0005	-.0034
1430	.166	1935	.02	-.00	100437	.1470	.0498	-.0345	-.0028	.0006	-.0048
1431	.166	1945	1.94	-.00	100426	.2744	.0443	-.0015	-.0023	.0001	-.0033
1432	.166	1935	3.91	-.00	100437	.3990	.0351	.0368	-.0033	.0002	.0013
1433	.165	1919	5.90	-.00	100453	.5231	.0212	.0753	-.0035	-.0008	.0006
1434	.166	1939	7.92	-.00	100433	.6500	.0089	.1192	-.0025	-.0003	.0029
1435	.166	1949	9.99	-.00	100423	.7928	.0027	.1541	-.0031	.0002	.0059
1436	.166	1942	12.08	-.00	100430	.9268	.0025	.1913	-.0030	.0010	.0068
1437	.166	1949	14.18	-.00	100423	1.0238	.0054	.2396	-.0028	.0013	.0106
1438	.166	1932	16.15	.00	100440	1.1294	.0238	.2631	-.0010	.0003	.0014
1439	.165	1925	18.16	-.00	100447	1.3071	.0379	.2700	-.0031	.0011	.0081
1440	.166	1939	20.16	-.00	100433	1.4726	.0320	.3037	-.0027	.0008	.0084
1441	.166	1932	21.63	-.00	100440	1.5835	.0249	.3342	-.0015	.0011	.0038
1442	.167	1955	.02	-.00	100413	.1431	.0591	-.0349	-.0021	.0001	-.0017

TEST	995				RUN		87			
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C	
1428	.0031	.9271	.9740	4.4532	0.0000	0.0000	0.0000	.0252	.0071	
1429	-1.0831	.8411	.9752	4.4553	0.0000	0.0000	0.0000	.0241	.0071	
1430	.0219	.7498	.9751	4.4553	0.0000	0.0000	0.0000	.0241	.0071	
1431	1.9383	.9144	.9732	4.4517	0.0000	0.0000	0.0000	.0258	.0071	
1432	3.9087	.8294	.9765	4.4577	0.0000	0.0000	0.0000	.0227	.0071	
1433	5.8959	.7373	.9760	4.4569	0.0000	0.0000	0.0000	.0233	.0069	
1434	7.9204	.8963	.9769	4.4583	0.0000	0.0000	0.0000	.0221	.0068	
1435	9.9932	1.0298	.9757	4.4563	0.0000	0.0000	0.0000	.0230	.0069	
1436	12.0782	.8078	.9760	4.4567	0.0000	0.0000	0.0000	.0227	.0072	
1437	14.1774	.8814	.9748	4.4546	0.0000	0.0000	0.0000	.0235	.0075	
1438	16.1524	1.0733	.9703	4.4465	0.0000	0.0000	0.0000	.0277	.0076	
1439	18.1555	.7123	.9653	4.4376	0.0000	0.0000	0.0000	.0321	.0090	
1440	20.1584	.9362	.9632	4.4338	0.0000	0.0000	0.0000	.0333	.0093	
1441	21.6302	.7883	.9622	4.4319	0.0000	0.0000	0.0000	.0341	.0094	
1442	.0217	.8535	.9762	4.4571	0.0000	0.0000	0.0000	.0228	.0072	

TEST	995	RUN 87									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1428	.0031	.1447	.0480	-.0367	.1447	.0157	-.0367	.1447	.0409	-.0367	1.0000
1429	-1.0831	.0120	.0505	-.0691	.0120	.0193	-.0691	.0120	.0434	-.0691	1.0000
1430	.0219	.1470	.0498	-.0345	.1470	.0187	-.0345	.1470	.0428	-.0345	1.0000
1431	1.9383	.2728	.0536	-.0015	.2728	.0207	-.0015	.2728	.0465	-.0015	1.0000
1432	3.9087	.3957	.0622	.0368	.3957	.0325	.0368	.3957	.0552	.0368	1.0000
1433	5.8959	.5182	.0748	.0753	.5182	.0446	.0753	.5182	.0679	.0753	1.0000
1434	7.9204	.6426	.0984	.1192	.6426	.0695	.1192	.6426	.0916	.1192	1.0000
1435	9.9932	.7803	.1403	.1541	.7803	.1184	.1541	.7803	.1334	.1541	1.0000
1436	12.0782	.9057	.1963	.1913	.9057	.1665	.1913	.9057	.1892	.1913	1.0000
1437	14.1774	.9913	.2560	.2396	.9913	.2250	.2396	.9913	.2485	.2396	1.0000
1438	16.1524	1.0782	.3370	.2631	1.0782	.3018	.2631	1.0782	.3295	.2631	1.0000
1439	18.1555	1.2302	.4433	.2700	1.2302	.4023	.2700	1.2302	.4343	.2700	1.0000
1440	20.1584	1.3714	.5376	.3037	1.3714	.4950	.3037	1.3714	.5283	.3037	1.0000
1441	21.6302	1.4628	.6069	.3342	1.4628	.5634	.3342	1.4628	.5975	.3342	1.0000
1442	.0217	.1431	.0591	-.0349	.1431	.0292	-.0349	.1431	.0520	-.0349	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 88									
POINT	MACH	Q N/(HXM)	ALPHA DEG	BETA DEG	P,INF N/(HXM)	CNF	CAF	CPM	CRM,8	CYN,8	CSF
1443	.166	1935	.01	.00	100433	.1377	.0564	-.0329	-.0022	-.0001	-.0040
1444	.166	1935	.01	.00	100423	.2583	-.9879	-.1246	-.0043	-.0006	-.0036
1445	.166	1935	-1.06	-.00	100423	.1185	-.9878	-.1547	-.0041	-.0004	-.0013
1446	.166	1942	.05	-.00	100413	.2597	-.9914	-.1254	-.0030	-.0007	.0028
1447	.166	1942	1.96	-.00	100413	.3972	-1.0003	-.3950	-.0038	-.0004	.0027
1448	.166	1935	3.92	-.00	100420	.5379	-1.0151	-.0628	-.0038	-.0006	.0045
1449	.165	1925	5.92	-.00	100426	.6783	-.9598	-.0240	-.0045	-.0004	-.0018
1450	.167	1949	7.94	-.00	100403	.8258	-.9752	.0118	-.0033	.0010	.0017
1451	.166	1942	10.03	-.00	100413	.9928	-1.0858	.0286	-.0036	.0019	.0021
1452	.166	1945	12.11	-.00	100419	1.1144	-1.0181	.0719	-.0037	-.0004	.0126
1453	.166	1929	14.20	-.00	100423	1.2650	-1.0284	.1016	-.0035	.0002	.0166
1454	.166	1935	16.19	-.00	100420	1.4235	-1.0210	.1098	-.0038	.0003	.0174
1455	.166	1939	18.20	-.00	100413	1.5798	-1.0203	.1235	-.0047	.0004	.0110
1456	.166	1935	20.19	-.00	100416	1.7630	-1.0316	.1534	-.0040	.0001	.0090
1457	.166	1935	21.81	-.00	100416	1.9096	-1.0400	.1797	-.0036	.0000	.0030
1458	.166	1929	.03	-.00	100420	.2604	-1.0089	-.1266	-.0034	-.0007	.0008

TEST	995	RUN 88									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1443	.0075	0.0000	.9768	4.4582	0.0000	0.0000	0.0000	.0225	.0072		
1444	.0104	21.3288	2.0001	6.3001	1.1036	1.1160	0.0000	-.9674	.0260		
1445	-1.8556	21.3490	2.0058	6.3104	1.1062	1.1187	0.0000	-.9724	.0260		
1446	.0499	21.3917	2.0160	6.3303	1.1065	1.1189	0.0000	-.9802	.0261		
1447	1.9629	21.4055	2.0210	6.3377	1.1077	1.1201	0.0000	-.9836	.0261		
1448	3.9170	21.4141	2.0269	6.3404	1.1145	1.1270	0.0000	-.9910	.0262		
1449	5.9152	20.5459	1.9523	6.2141	1.0472	1.0589	0.0000	-.9211	.0248		
1450	7.9381	20.7056	1.9661	6.2390	1.0490	1.0608	0.0000	-.9191	.0251		
1451	10.0286	21.9497	2.0902	6.4623	1.1600	1.1731	0.0000	-1.0348	.0278		
1452	12.1104	21.0622	2.0088	6.3159	1.8331	1.0953	0.0000	-.9492	.0253		
1453	14.2034	21.0935	2.0150	6.3269	1.8966	1.1089	0.0000	-.9551	.0252		
1454	16.1918	21.1865	2.0244	6.3439	1.1005	1.1128	0.0000	-.9516	.0252		
1455	18.2033	21.2155	2.0300	6.3540	1.1013	1.1136	0.0000	-.9448	.0257		
1456	20.1914	21.3110	2.0389	6.3780	1.1109	1.1233	0.0000	-.9431	.0269		
1457	21.8129	21.3453	2.0457	6.3823	1.1144	1.1269	0.0000	-.9391	.0273		
1458	.0313	21.4525	2.0577	6.4038	1.1281	1.1408	0.0000	-1.0266	.0268		

TEST	995	RUN 88									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1443	.0075	.1377	.0564	-.0329	.1377	.0268	-.0329	.1377	.0493	-.0329	1.0000
1444	.0104	.2585	-.9878	-.1246	.2583	.0898	-.0001	.2585	-1.8969	-.1340	1.2000
1445	-1.8556	.0864	-.9911	-.1547	.1222	.0886	-.0299	.0838	-1.0975	-.1638	1.2000
1446	.0499	.2605	-.9912	-.1254	.2596	.0892	-.0006	.2606	-1.0975	-.1345	1.2000
1447	1.9629	.4312	-.9862	-.0950	.3933	.0948	.0300	.4340	-1.0912	-1.039	1.2000
1448	3.9170	.6068	-.9760	-.0628	.5298	.1096	.0630	.6109	-1.0743	-.0709	1.2000
1449	5.9152	.7736	-.8848	-.0240	.6657	.1320	.0941	.7879	-1.0484	-.0398	1.2000
1450	7.9381	.9525	-.8518	.0118	.8076	.1621	.1302	.9715	-1.0132	-.0037	1.2000
1451	10.0286	1.1667	-.8963	.0286	.9647	.2182	.1595	1.1714	-.9503	.0256	1.2000
1452	12.1104	1.3032	-.7616	.0719	1.0760	.2721	.1941	1.3250	-.8881	.0682	1.2000
1453	14.2034	1.4787	-.6866	.1016	1.2096	.3513	.2253	1.5808	-.7991	.0914	1.2000
1454	16.1918	1.6517	-.5836	.1098	1.3449	.4400	.2339	1.6758	-.6915	.1000	1.2000
1455	18.2033	1.8195	-.4757	.1235	1.4755	.5447	.2478	1.8462	-.5826	.1139	1.2000
1456	20.1914	2.0108	-.3597	.1534	1.6273	.6560	.2787	2.0369	-.4577	.1448	1.2000
1457	21.8129	2.1595	-.2559	.1797	1.7454	.7515	.3055	2.1863	-.3582	.1716	1.2000
1458	.0313	.2609	-1.0088	-.1266	.2607	.0925	.0007	.2609	-1.0942	-.1332	1.2000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 89							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1459	.166	1932	.03	.00	100416	.3424	-1.4706	-.2027	-.0047	-.0025	.0009
1460	.167	1955	-1.85	.00	100396	.2000	-1.4599	-.2296	-.0044	-.0026	.0023
1461	.166	1929	.06	-.00	100420	.3524	-1.4964	-.2051	-.0040	-.0030	.0053
1462	.166	1929	1.98	-.00	100420	.4906	-1.5117	-.1769	-.0045	-.0019	.0031
1463	.166	1939	3.93	.00	100409	.6017	-1.3873	-.1164	-.0052	-.0025	.0029
1464	.166	1935	5.94	.00	100416	.7464	-1.4068	-.0833	-.0050	-.0028	.0023
1465	.166	1935	7.95	-.00	100420	.9053	-1.4372	-.0514	-.0041	-.0035	.0089
1466	.166	1942	10.03	.00	100413	1.0817	-1.5816	-.0529	-.0041	-.0023	.0082
1467	.165	1925	12.14	.00	100433	1.2062	-1.4813	-.0045	-.0046	-.0022	.0126
1468	.165	1925	14.21	-.00	100430	1.3235	-1.4065	.0403	-.0038	-.0017	.0181
1469	.164	1929	16.20	.00	100426	1.4736	-1.3456	.0640	-.0031	-.0012	.0125
1470	.166	1929	18.20	-.00	100426	1.6409	-1.3496	.0807	-.0051	-.0022	.0202
1471	.166	1945	20.21	.00	100406	1.8456	-1.4055	.0853	-.0056	-.0022	.0049
1472	.166	1939	21.81	.00	100413	2.0062	-1.4725	.0969	-.0048	-.0019	.0019
1473	.166	1939	.04	.00	100406	.3470	-1.4992	-.2069	-.0042	-.0029	.0008

TEST 995										
RUN 89										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
1459	.0286	26.8487	2.6042	7.3875	1.5969	1.6149	0.0000	-1.5543	.0333	
1460	-1.8547	26.9433	2.6166	7.4099	1.5872	1.6050	0.0000	-1.5467	.0333	
1461	.0617	27.1030	2.6307	7.4352	1.6211	1.6394	0.0000	-1.5828	.0338	
1462	1.9809	27.2830	2.6524	7.4743	1.6393	1.6577	0.0000	-1.6029	.0339	
1463	3.9333	25.7863	2.5071	7.2128	1.5016	1.5185	0.0000	-1.4518	.0324	
1464	5.9351	25.8373	2.5093	7.2168	1.5082	1.5251	0.0000	-1.4521	.0324	
1465	7.9489	26.0490	2.5290	7.2522	1.5250	1.5422	0.0000	-1.4648	.0322	
1466	10.0259	27.7028	2.6940	7.5491	1.6649	1.6836	0.0000	-1.6079	.0336	
1467	12.1368	26.3887	2.5577	7.3038	1.5617	1.5792	0.0000	-1.4809	.0316	
1468	14.2092	25.5608	2.4771	7.1589	1.4896	1.5063	0.0000	-1.3924	.0307	
1469	16.1978	24.9981	2.4214	7.0585	1.4384	1.4545	0.0000	-1.3250	.0301	
1470	18.1956	25.0461	2.4285	7.0713	1.4428	1.4590	0.0000	-1.3173	.0305	
1471	20.2142	25.8138	2.5029	7.2053	1.4974	1.5142	0.0000	-1.3571	.0317	
1472	21.8080	26.4080	2.5664	7.3194	1.5549	1.5724	0.0000	-1.4042	.0328	
1473	.0359	27.2539	2.6501	7.4701	1.6281	1.6464	0.0000	-1.5932	.0341	

TEST 995										
RUN 89										
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM
1459	.0286	.3431	-1.4705	-.2027	.3423	.0932	-.0225	.3431	-1.3902	-.1899
1460	-1.8547	.1526	-1.4656	-.2296	.2040	.0875	-.0506	.1560	-1.3950	-.2179
1461	.0617	.3540	-1.4961	-.2051	.3522	.0913	-.0222	.3538	-1.3920	-.1896
1462	1.9809	.5426	-1.4938	-.1769	.4859	.1105	.0080	.5372	-1.3719	-.1593
1463	3.9333	.6954	-1.3428	-.1164	.5924	.1229	.0530	.6942	-1.3569	-.1143
1464	5.9351	.8879	-1.3220	-.0833	.7320	.1456	.0868	.8853	-1.3298	-.0805
1465	7.9489	1.0953	-1.2982	-.0514	.8844	.1800	.1207	1.0895	-1.2891	-.0467
1466	10.0259	1.3406	-1.3691	-.0529	1.0507	.2367	.1349	1.3089	-1.2240	-.0324
1467	12.1368	1.4906	-1.1946	-.0045	1.1623	.3806	.1717	1.4742	-1.1496	.0043
1468	14.2092	1.6283	-1.0386	.0403	1.2627	.3748	.2083	1.6268	-1.0632	.0410
1469	16.1978	1.7904	-.8812	.0640	1.3892	.4701	.2263	1.8030	-.9544	.0589
1470	18.1956	1.9802	-.7698	.0807	1.5297	.5704	.2435	1.9929	-.8387	.0762
1471	20.2142	2.2176	-.6812	.0853	1.7002	.6923	.2542	2.2127	-.6997	.0869
1472	21.8080	2.4096	-.6218	.0969	1.8320	.7890	.2723	2.3830	-.5682	.1050
1473	.0359	.3479	-1.4998	-.2069	.3469	.0949	-.0232	.3478	-1.3884	-.1905

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1474	.166	1945	.04	.00	100403	.3855	-1.7026	-.2514	-.0053	-.0029	-.0010
1475	.166	1939	-1.86	.00	100416	.2426	-1.6734	-.2783	-.0047	-.0026	-.0033
1476	.166	1929	.06	.00	100430	.3933	-1.7475	-.2577	-.0050	-.0024	-.0017
1477	.166	1932	1.98	.00	100430	.5319	-1.7569	-.2272	-.0055	-.0026	-.0021
1478	.166	1939	3.93	.00	100423	.6775	-1.7649	-.1967	-.0061	-.0027	-.0071
1479	.166	1942	5.92	.00	100420	.8118	-1.7813	-.1596	-.0064	-.0033	-.0018
1480	.166	1945	7.97	.00	100420	.9602	-1.7932	-.1204	-.0054	-.0034	-.0019
1481	.166	1932	10.01	.00	100436	1.1137	-1.8147	-.0966	-.0059	-.0032	-.0015
1482	.166	1942	12.15	.00	100426	1.2445	-1.8110	-.0663	-.0052	-.0029	-.0080
1483	.167	1952	14.22	.00	100413	1.3813	-1.8005	-.0328	-.0053	-.0026	.0084
1484	.166	1939	14.21	.00	100430	1.3812	-1.8132	-.0341	-.0050	-.0017	.0075
1485	.167	1952	18.20	.00	100413	1.7068	-1.7931	-.0112	-.0065	-.0029	.0073
1486	.166	1945	20.19	.00	100423	1.8778	-1.8060	.0156	-.0067	-.0028	.0045
1487	.167	1952	21.82	.00	100416	2.0385	-1.8079	.0373	-.0059	-.0029	-.0005
1488	.167	1952	.03	.00	100410	.3862	-1.7659	-.2588	-.0049	-.0027	-.0039
1489	.166	1942	.01	-.00	100420	.1393	.0416	-.0374	-.0019	-.0000	.0005

TEST		995			RUN		90		
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1474	.0374	29.6050	2.8884	7.8992	1.8290	1.8496	0.0000	-1.8171	.0368
1475	-1.8625	29.2533	2.8511	7.8320	1.8012	1.8215	0.0000	-1.7865	.0368
1476	.0608	29.9508	2.9148	7.9467	1.8698	1.8908	0.0000	-1.8587	.0373
1477	1.9759	30.0759	2.9284	7.9712	1.8785	1.8996	0.0000	-1.8676	.0370
1478	3.9332	30.1077	2.9286	7.9714	1.8744	1.8954	0.0000	-1.8580	.0369
1479	5.9154	30.1371	2.9340	7.9811	1.8753	1.8964	0.0000	-1.8544	.0367
1480	7.9696	30.2021	2.9370	7.9865	1.8747	1.8957	0.0000	-1.8461	.0365
1481	10.0081	30.1893	2.9419	7.9953	1.8885	1.9097	0.0000	-1.8532	.0360
1482	12.1530	30.3352	2.9482	8.0068	1.8907	1.9119	0.0000	-1.8361	.0352
1483	14.2152	30.2694	2.9460	8.0027	1.8752	1.8962	0.0000	-1.8091	.0345
1484	14.2122	30.2834	2.9469	8.0044	1.8907	1.9119	0.0000	-1.8227	.0346
1485	18.1969	30.3014	2.9526	8.0147	1.8792	1.9083	0.0000	-1.7790	.0351
1486	20.1871	30.3411	2.9524	8.0143	1.8867	1.9079	0.0000	-1.7636	.0359
1487	21.8196	30.3393	2.9564	8.0215	1.8828	1.9040	0.0000	-1.7419	.0359
1488	.0306	30.4022	2.9579	8.0243	1.8865	1.9077	0.0000	-1.8777	.0366
1489	.0121	0.0000	.9582	4.4248	0.0000	0.0000	0.0000	.0403	.0077

TEST 995											
RUN 90											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CMU,NOM
1474	.0374	.3867	-1.7024	-.2514	.3855	.0899	-.0450	.3866	-1.6901	-.2458	1.8000
1475	-1.8625	.1881	-1.6804	-.2783	.2466	.0830	-.0751	.1888	-1.6960	-.2759	1.8000
1476	.0608	.3952	-1.7470	-.2577	.3932	.0854	-.0467	.3951	-1.6945	-.2476	1.8000
1477	1.9759	.5922	-1.7375	-.2272	.5274	.1029	-.0152	.5888	-1.6760	-.2160	1.8000
1478	3.9332	.7969	-1.7143	-.1967	.6683	.1188	.0147	.7904	-1.6570	-.1861	1.8000
1479	5.9154	.9911	-1.6882	-.1596	.7978	.1404	.0519	.9813	-1.6301	-.1489	1.8000
1480	7.9696	1.1996	-1.6428	-.1204	.9397	.1773	.0911	1.1865	-1.5855	-.1097	1.8000
1481	10.0081	1.4121	-1.5935	-.0968	1.0839	.2303	.1163	1.3932	-1.5226	-.0846	1.8000
1482	12.1530	1.5979	-1.5084	-.0663	1.1999	.3047	.1470	1.5746	-1.4354	-.0538	1.8000
1483	14.2152	1.7812	-1.4062	-.0328	1.3207	.3771	.1787	1.7578	-1.3484	-.0221	1.8000
1484	14.2122	1.7841	-1.4186	-.0341	1.3199	.3796	.1792	1.7569	-1.3459	-.0216	1.8000
1485	18.1969	2.1814	-1.1705	-.0112	1.5946	.5797	.2008	2.1504	-1.1112	.0000	1.8000
1486	20.1871	2.3857	-1.0471	.0156	1.7346	.6878	.2285	2.3489	-.9828	.0277	1.8000
1487	21.8196	2.5644	-.9207	.0373	1.8646	.7914	.2497	2.5262	-.8611	.0489	1.8000
1488	.0306	.3871	-1.7657	-.2588	.3861	.0841	-.0460	.3871	-1.6959	-.2468	1.8000
1489	.0121	.1392	.0417	-.0374	.1392	-.0063	-.0374	.1392	.0340	-.0374	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 92								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1501	.166	1932	.01	-.00	100426	.2222	.0385	-.0582	-.0012	-.0000	-.0036
1502	.165	1925	-1.86	.00	100433	.0950	.0395	-.0934	-.0014	-.0002	-.0033
1503	.166	1942	.04	-.00	100416	.2305	.0393	-.0574	-.0013	.0000	-.0035
1504	.166	1935	1.96	.00	100423	.3482	.0346	-.0269	-.0021	-.0009	-.0145
1505	.166	1939	3.90	-.00	100420	.4859	.0242	.0127	-.0020	-.0002	.0003
1506	.166	1939	5.91	-.00	100420	.6160	.0100	.0525	-.0020	-.0011	.0031
1507	.166	1932	7.94	.00	100426	.7447	-.0015	.0945	-.0018	-.0010	-.0095
1508	.165	1925	10.00	-.00	100433	.8702	-.0073	.1290	-.0017	.0001	.0050
1509	.166	1935	12.11	-.00	100423	.9859	-.0114	.1698	-.0018	.0007	.0081
1510	.166	1932	14.19	-.00	100423	1.0954	-.0030	.2153	-.0009	.0013	.0107
1511	.166	1935	16.17	-.00	100420	1.1880	.0187	.2394	-.0003	.0003	.0099
1512	.166	1942	18.16	-.00	100413	1.3594	.0317	.2517	-.0009	.0010	.0093
1513	.167	1952	20.18	-.00	100406	1.5001	.0262	.2903	-.0003	.0007	.0084
1514	.166	1929	21.80	-.00	100423	1.6172	.0225	.3279	.0008	.0009	.0071
1515	.166	1932	.03	-.00	100423	.2292	.0473	-.0575	-.0004	.0002	-.0015

TEST										
995										
RUN 92										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
1501	.0142	.4193	.9938	17.1000	0.0000	0.0000	0.0000	.0061	.0071	
1502	-1.8620	0.0000	.9933	17.1000	0.0000	0.0000	0.0000	.0065	.0072	
1503	.0427	0.0000	.9927	17.1000	0.0000	0.0000	0.0000	.0070	.0071	
1504	1.9620	0.0000	.9931	17.1000	0.0000	0.0000	0.0000	.0067	.0069	
1505	3.9028	0.0000	.9927	17.1000	0.0000	0.0000	0.0000	.0070	.0068	
1506	5.9130	0.0000	.9924	17.1000	0.0000	0.0000	0.0000	.0073	.0066	
1507	7.9380	0.0000	.9928	17.1000	0.0000	0.0000	0.0000	.0069	.0064	
1508	9.9966	0.0000	.9936	17.1000	0.0000	0.0000	0.0000	.0061	.0066	
1509	12.1065	0.0000	.9920	17.1000	0.0000	0.0000	0.0000	.0075	.0067	
1510	14.1896	0.0000	.9912	17.1000	0.0000	0.0000	0.0000	.0083	.0066	
1511	16.1688	0.0000	.9850	17.1000	0.0000	0.0000	0.0000	.0140	.0075	
1512	18.1613	0.0000	.9798	17.1000	0.0000	0.0000	0.0000	.0185	.0090	
1513	20.1761	0.0000	.9792	17.1000	0.0000	0.0000	0.0000	.0187	.0091	
1514	21.7994	0.0000	.9780	17.1000	0.0000	0.0000	0.0000	.0198	.0093	
1515	.0286	0.0000	.9929	17.1000	0.0000	0.0000	0.0000	.0068	.0068	

TEST											
995											
RUN 92											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1501	.0142	.2221	.0386	-.0582	.2221	.0255	-.0582	.2221	.0315	-.0582	1.0000
1502	-1.8620	.0962	.0364	-.0934	.0962	.0226	-.0934	.0962	.0292	-.0934	1.0000
1503	.0427	.2304	.0395	-.0574	.2304	.0254	-.0574	.2304	.0324	-.0574	1.0000
1504	1.9620	.3468	.0465	-.0269	.3468	.0329	-.0269	.3468	.0396	-.0269	1.0000
1505	3.9028	.4831	.0572	.0127	.4831	.0434	.0127	.4831	.0504	.0127	1.0000
1506	5.9130	.6117	.0734	.0525	.6117	.0595	.0525	.6117	.0668	.0525	1.0000
1507	7.9380	.7378	.1014	.0945	.7378	.0880	.0945	.7378	.0949	.0945	1.0000
1508	9.9966	.8582	.1439	.1290	.8582	.1312	.1290	.8582	.1373	.1290	1.0000
1509	12.1065	.9663	.1956	.1698	.9663	.1814	.1698	.9663	.1889	.1698	1.0000
1510	14.1896	1.0627	.2656	.2153	1.0627	.2507	.2153	1.0627	.2589	.2153	1.0000
1511	16.1688	1.1358	.3487	.2394	1.1358	.3273	.2394	1.1358	.3412	.2394	1.0000
1512	18.1613	1.2818	.4538	.2517	1.2818	.4263	.2517	1.2818	.4448	.2517	1.0000
1513	20.1761	1.3990	.5420	.2903	1.3990	.5141	.2903	1.3990	.5329	.2903	1.0000
1514	21.7994	1.4932	.6215	.3279	1.4932	.5924	.3279	1.4932	.6122	.3279	1.0000
1515	.0286	.2292	.0475	-.0575	.2292	.0338	-.0575	.2292	.0406	-.0575	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 93								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1516	.166	1932	.02	-.00	100433	.2224	-.0452	-.0543	-.0010	.0001	-.0024
1517	.166	1942	.04	-.00	100420	.6255	-.9731	-.2877	-.0022	-.0001	-.0022
1518	.166	1942	-1.84	-.00	100423	.4787	-.9802	-.3231	-.0025	-.0003	.0016
1519	.166	1945	.07	-.00	100416	.6253	-.9862	-.2928	-.0023	-.0002	-.0010
1520	.166	1935	1.99	-.00	100426	.7654	-1.0041	-.2639	-.0024	-.0002	.0020
1521	.166	1939	3.94	-.00	100426	.9079	-1.0170	-.2311	-.0048	-.0003	.0024
1522	.166	1935	5.93	-.00	100430	1.0267	-.9598	-.1801	-.0027	-.0013	.0015
1523	.165	1925	7.96	-.00	100436	1.1847	-.9876	-.1491	-.0019	-.0004	.0028
1524	.166	1939	10.02	-.00	100426	1.3369	-.9858	-.1259	-.0017	-.0004	.0052
1525	.167	1955	12.11	-.00	100406	1.4668	-.9815	-.0994	-.0015	.0005	.0102
1526	.166	1942	14.21	-.00	100416	1.6199	-.9834	-.0757	.0007	.0009	.0110
1527	.166	1935	16.21	.00	100420	1.7757	-.9769	-.0663	-.0022	.0012	.0036
1528	.166	1929	18.19	-.00	100423	1.9350	-.9831	-.0416	-.0031	.0014	.0044
1529	.166	1939	20.20	-.00	100409	2.0903	-.9836	-.0085	-.0026	.0016	.0026
1530	.166	1935	21.87	-.00	100416	2.2637	-.9946	.0161	-.0019	.0012	-.0014
1531	.166	1932	.06	.00	100420	.6266	-.9741	-.2882	-.0024	-.0006	-.0034

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 93								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1516	.0167	0.0000	.9930	17.1000	0.0000	0.0000	0.0000	.0068	.0068		
1517	.0354	21.3007	2.0673	17.1000	1.1004	1.1127	0.0000	-1.0289	.0159		
1518	-1.8434	21.3731	2.0750	17.1000	1.1074	1.1198	0.0000	-1.0358	.0160		
1519	.0746	21.4250	2.0808	17.1000	1.1111	1.1236	0.0000	-1.0401	.0159		
1520	1.9898	21.4694	2.0853	17.1000	1.1220	1.1346	0.0000	-1.0492	.0158		
1521	3.9404	21.4887	2.0908	17.1000	1.1239	1.1365	0.0000	-1.0509	.0157		
1522	5.9280	20.6221	2.0864	17.1000	1.0529	1.0647	0.0000	-.9684	.0151		
1523	7.9583	20.7867	2.0235	17.1000	1.0737	1.0858	0.0000	-.9857	.0157		
1524	10.0242	20.7953	2.0270	17.1000	1.0692	1.0812	0.0000	-.9767	.0160		
1525	12.1075	20.8153	2.0280	17.1000	1.0617	1.0736	0.0000	-.9622	.0167		
1526	14.2127	20.8758	2.0363	17.1000	1.0762	1.0883	0.0000	-.9683	.0181		
1527	16.2064	20.8972	2.0383	17.1000	1.0816	1.0938	0.0000	-.9644	.0201		
1528	18.1868	20.9440	2.0446	17.1000	1.0909	1.1031	0.0000	-.9632	.0216		
1529	20.1951	20.9838	2.0444	17.1000	1.0856	1.0978	0.0000	-.9464	.0229		
1530	21.8688	21.0673	2.0513	17.1000	1.0948	1.1071	0.0000	-.9437	.0237		
1531	.0561	21.1247	2.0586	17.1000	1.1033	1.1157	0.0000	-1.0257	.0159		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 93								
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CMU,NOM
1516	.0167	.2224	.0452	-.0543	.2224	.0316	-.0543	.2224	-.0385	-.0543	1.0000
1517	.0354	.6261	-.9727	-.2877	.6254	.1117	-.1636	.6261	-1.0749	-.2974	1.2000
1518	-1.8434	.4469	-.9951	-.3231	.4825	.0957	-.1982	.4444	-1.0903	-.3321	1.2000
1519	.0746	.6265	-.9854	-.2928	.6251	.1099	-.1675	.6266	-1.0768	-.3013	1.2000
1520	1.9898	.7998	-.9769	-.2639	.7609	.1286	-.1373	.8021	-1.0573	-.2712	1.2000
1521	3.9404	.9756	-.9522	-.2311	.8984	.1533	-.1043	.9880	-1.0305	-.2382	1.2000
1522	5.9280	1.1204	-.8487	-.1801	1.0116	.1835	-.0613	1.1342	-.9968	-.1952	1.2000
1523	7.9583	1.3100	-.8140	-.1491	1.1613	.2337	-.0280	1.3256	-.9416	-.1619	1.2000
1524	10.0242	1.4881	-.7380	-.1259	1.3020	.2989	-.0053	1.5085	-.8697	-.1392	1.2000
1525	12.1075	1.6400	-.6520	-.0994	1.4173	.3694	.0204	1.6662	-.7909	-.1135	1.2000
1526	14.2127	1.8118	-.5556	-.0757	1.5475	.4696	.0457	1.8389	-.6808	-.0882	1.2000
1527	16.2064	1.9778	-.4425	-.0663	1.6759	.5761	.0558	2.0071	-.5634	-.0781	1.2000
1528	18.1868	2.1452	-.3380	-.0416	1.8047	.6847	.0815	2.1751	-.4426	-.0524	1.2000
1529	20.1951	2.3089	-.1988	-.0085	1.9341	.7972	.1140	2.3438	-.3165	-.0199	1.2000
1530	21.8688	2.4712	-.0798	.0161	2.0635	.9124	.1396	2.5055	-.1889	.0057	1.2000
1531	.0561	.6276	-.9735	-.2882	.6265	.1139	-.1638	.6277	-1.0727	-.2976	1.2000

NASA LANGLEY											
995			7 X 10 HIGH SPEED TUNNEL								
TEST	RUN 94										
POINT	MACH	O N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1532	.167	1955	.05	.00	100406	.7735	-1.4542	-.4135	-.0028	.0000	-.0082
1533	.167	1955	-1.83	.00	100406	.6334	-1.4912	-.4508	-.0033	.0006	-.0096
1534	.166	1935	.09	.00	100426	.7820	-1.5466	-.4262	-.0038	.0007	-.0106
1535	.166	1942	2.00	.00	100420	.9160	-1.5588	-.3960	-.0039	-.0016	-.0060
1536	.166	1939	3.94	.00	100423	.9958	-1.3534	-.3899	-.0040	-.0021	-.0044
1537	.165	1919	5.95	.00	100443	1.1500	-1.3694	-.2764	-.0037	-.0031	-.0020
1538	.166	1945	7.97	.00	100420	1.2920	-1.3584	-.2373	-.0032	-.0027	-.0054
1539	.166	1949	10.04	.00	100420	1.4452	-1.3651	-.2160	-.0034	-.0018	-.0048
1540	.166	1935	12.14	.00	100433	1.5942	-1.3773	-.1924	-.0028	-.0012	-.0035
1541	.166	1945	14.22	.00	100423	1.7269	-1.3685	-.1685	-.0024	-.0008	-.0071
1542	.166	1945	16.22	.00	100423	1.8807	-1.3664	-.1632	-.0027	-.0009	-.0043
1543	.167	1962	18.22	.00	100403	2.0321	-1.3566	-.1355	-.0033	-.0004	-.0062
1544	.166	1945	20.22	.00	100420	2.2133	-1.3880	-.1107	-.0030	-.0009	-.0037
1545	.166	1932	21.83	.00	100430	2.3777	-1.3972	-.0861	-.0018	-.0009	-.0100
1546	.166	1942	.06	.00	100416	.7508	-1.3787	-.3948	-.0019	-.0020	-.0040

94									
TEST	RUN 94								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1532	.0533	26.9734	2.6330	17.1000	1.5893	1.6072	0.0000	-1.5633	.0103
1533	-1.8339	27.4113	2.6715	17.1000	1.6247	1.6430	0.0000	-1.5994	.0188
1534	.0881	27.8302	2.7115	17.1000	1.6784	1.6972	0.0000	-1.6556	.0188
1535	1.9976	27.9827	2.7237	17.1000	1.6890	1.7080	0.0000	-1.6606	.0186
1536	3.9441	25.4856	2.4739	17.1000	1.4684	1.4849	0.0000	-1.4199	.0177
1537	5.9517	25.2497	2.4553	17.1000	1.4701	1.4866	0.0000	-1.4125	.0179
1538	7.9685	25.2264	2.4578	17.1000	1.4487	1.4650	0.0000	-1.3894	.0182
1539	10.0351	25.3273	2.4655	17.1000	1.4548	1.4711	0.0000	-1.3865	.0188
1540	12.1429	25.4069	2.4736	17.1000	1.4712	1.4878	0.0000	-1.3937	.0199
1541	14.2160	25.4717	2.4837	17.1000	1.4715	1.4880	0.0000	-1.3842	.0218
1542	16.2214	25.6200	2.4929	17.1000	1.4821	1.4987	0.0000	-1.3796	.0245
1543	18.2154	25.6746	2.4982	17.1000	1.4747	1.4913	0.0000	-1.3578	.0266
1544	20.2156	25.7579	2.5065	17.1000	1.4946	1.5114	0.0000	-1.3605	.0287
1545	21.8321	25.7850	2.5110	17.1000	1.5065	1.5235	0.0000	-1.3592	.0301
1546	.0566	25.9595	2.5269	17.1000	1.5149	1.5320	0.0000	-1.4719	.0180

94											
TEST	RUN 94										
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1532	.0533	.7749	-1.4535	-.4135	.7734	.1175	-.2342	.7748	-1.3658	-.4016	1.5000
1533	-1.8339	.5854	-1.5107	-.4508	.6374	.0944	-.2675	.5899	-1.3882	-.4349	1.5000
1534	.0881	.7843	-1.5454	-.4262	.7818	.1142	-.2369	.7840	-1.3691	-.4042	1.5000
1535	1.9976	.9698	-1.5259	-.3960	.9109	.1434	-.2055	.9627	-1.3390	-.3728	1.5000
1536	3.9441	1.0857	-1.2818	-.3099	.9847	.1655	-.1442	1.0868	-1.3143	-.3116	1.5000
1537	5.9517	1.2858	-1.2428	-.2764	1.1333	.2014	-.1106	1.2871	-1.2739	-.2779	1.5000
1538	7.9685	1.4678	-1.1662	-.2373	1.2670	.2584	-.0738	1.4726	-1.2186	-.2412	1.5000
1539	10.0351	1.6609	-1.0924	-.2160	1.4074	.3212	-.0519	1.6659	-1.1394	-.2193	1.5000
1540	12.1429	1.8483	-1.0117	-.1924	1.5388	.4868	-.0264	1.8509	-1.0434	-.1937	1.5000
1541	14.2160	2.0101	-.9025	-.1685	1.6488	.5821	-.0025	2.0131	-.9358	-.1698	1.5000
1542	16.2214	2.1875	-.7867	-.1632	1.7735	.6119	.0040	2.1879	-.8124	-.1634	1.5000
1543	18.2154	2.3543	-.6534	-.1355	1.8933	.7209	.0388	2.3578	-.6881	-.1365	1.5000
1544	20.2156	2.5538	-.5302	-.1107	2.0373	.8437	.0579	2.5499	-.5483	-.1094	1.5000
1545	21.8321	2.7268	-.4127	-.0861	2.1665	.9557	.0839	2.7182	-.4213	-.0835	1.5000
1546	.0566	.7521	-1.3779	-.3948	.7506	.1190	-.2239	.7521	-1.3643	-.3912	1.5000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 95									
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1547	.166	1932	.06	.00	100423	.8196	-1.7267	-.4686	-.0028	-.0016	-.0117
1548	.166	1935	-1.83	.00	100420	.6817	-1.7299	-.4939	-.0035	-.0016	-.0123
1549	.167	1955	.08	.00	100399	.8212	-1.7159	-.4602	-.0025	-.0004	-.0148
1550	.166	1929	2.00	-.00	100426	.9612	-1.7498	-.4347	-.0014	.0012	-.0159
1551	.167	1955	3.95	.00	100403	1.0944	-1.7380	-.3987	-.0032	-.0005	-.0144
1552	.166	1942	5.93	.00	100420	1.2432	-1.7659	-.3669	-.0034	-.0013	-.0117
1553	.166	1929	7.97	.00	100433	1.3957	-1.7898	-.3332	-.0022	-.0010	-.0108
1554	.167	1958	10.04	.00	100410	1.5353	-1.7674	-.3035	-.0035	-.0002	-.0085
1555	.166	1945	12.13	.00	100420	1.6795	-1.7886	-.2797	-.0029	-.0001	-.0085
1556	.166	1929	14.23	.00	100436	1.8801	-1.7887	-.2494	-.0023	.0010	.0000
1557	.165	1919	16.19	.00	100450	1.9420	-1.7844	-.2427	-.0031	.0009	-.0027
1558	.166	1935	18.19	.00	100433	2.0991	-1.7668	-.2124	-.0034	.0010	-.0078
1559	.165	1925	20.19	.00	100440	2.2787	-1.7793	-.1831	-.0035	.0009	-.0085
1560	.166	1939	21.85	.00	100426	2.4311	-1.7729	-.1512	-.0016	.0010	-.0163
1561	.167	1952	.06	.00	100410	.8257	-1.7369	-.4655	-.0026	.0001	-.0166
1562	.169	2005	.03	-.00	100356	.1614	.0285	-.0526	-.0016	-.0001	-.0020

TEST	995	RUN 95							
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CHU,J	CD,N	CD,C
1547	.0573	29.7878	2.9032	17.1000	1.8581	1.8790	0.0000	-1.8442	.0193
1548	-1.8307	29.9066	2.9114	17.1000	1.8643	1.8852	0.0000	-1.8480	.0195
1549	.0811	29.9137	2.9056	17.1000	1.8435	1.8642	0.0000	-1.8242	.0192
1550	2.0008	29.9554	2.9090	17.1000	1.8722	1.8932	0.0000	-1.8519	.0191
1551	3.9494	29.9522	2.9121	17.1000	1.8487	1.8694	0.0000	-1.8261	.0189
1552	5.9282	30.0190	2.9106	17.1000	1.8637	1.8846	0.0000	-1.8320	.0191
1553	7.9722	30.0310	2.9145	17.1000	1.8794	1.9086	0.0000	-1.8405	.0195
1554	10.0352	30.0746	2.9191	17.1000	1.8540	1.8748	0.0000	-1.8062	.0200
1555	12.1298	30.0711	2.9170	17.1000	1.8657	1.8867	0.0000	-1.8037	.0213
1556	14.2308	30.1080	2.9250	17.1000	1.8869	1.9081	0.0000	-1.8114	.0238
1557	16.1874	30.0863	2.9217	17.1000	1.8947	1.9160	0.0000	-1.8011	.0272
1558	18.1927	30.1139	2.9195	17.1000	1.8708	1.8999	0.0000	-1.7641	.0297
1559	20.1867	30.1010	2.9192	17.1000	1.8667	1.9079	0.0000	-1.7517	.0320
1560	21.8496	30.1193	2.9198	17.1000	1.8752	1.8963	0.0000	-1.7201	.0334
1561	.0649	30.1130	2.9188	17.1000	1.8617	1.8826	0.0000	-1.8482	.0193
1562	.0307	.4763	.9761	17.1000	0.8000	0.8000	0.0000	.0223	.0069

TEST	995	RUN 95									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1547	.0573	.0213	-1.7259	-.4606	.8194	.1129	-.2509	.0212	-1.6671	-.4517	1.0000
1548	-1.8307	.6261	-1.7508	-.4939	.6856	.0930	-.2836	.6288	-1.6861	-.4844	1.0000
1549	.0811	.8236	-1.7147	-.4602	.8210	.1096	-.2522	.8235	-1.6704	-.4530	1.0000
1550	2.0008	1.0217	-1.7151	-.4347	.9563	.1368	-.2235	1.0105	-1.6421	-.4243	1.0000
1551	3.9494	1.2115	-1.6505	-.3987	1.0842	.1669	-.1902	1.2068	-1.6088	-.3910	1.0000
1552	5.9282	1.4189	-1.6281	-.3669	1.2264	.2066	-.1567	1.4103	-1.5639	-.3575	1.0000
1553	7.9722	1.6304	-1.5790	-.3332	1.3697	.2628	-.1211	1.6166	-1.5000	-.3220	1.0000
1554	10.0352	1.8198	-1.4729	-.3035	1.4967	.3328	-.0943	1.8069	-1.4200	-.2951	1.0000
1555	12.1298	2.0162	-1.3879	-.2797	1.6242	.4149	-.0692	1.9982	-1.3254	-.2700	1.0000
1556	14.2308	2.1846	-1.2912	-.2494	1.7207	.5139	-.0365	2.1583	-1.2114	-.2374	1.0000
1557	16.1874	2.3625	-1.1722	-.2427	1.8343	.6202	-.0290	2.3305	-1.0893	-.2298	1.0000
1558	18.1927	2.5458	-1.0231	-.2124	1.9592	.7320	-.0085	2.5150	-.9590	-.2013	1.0000
1559	20.1867	2.7527	-.8836	-.1831	2.1016	.8551	.0297	2.7159	-.8156	-.1711	1.0000
1560	21.8496	2.9163	-.7488	-.1512	2.2184	.9663	.0604	2.8808	-.6859	-.1404	1.0000
1561	.0649	.8277	-1.7360	-.4655	.8256	.1864	-.2555	.8276	-1.6736	-.4563	1.0000
1562	.0307	.1814	.0286	-.0526	.1814	-.0806	-.0526	.1814	.0217	-.0526	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 97							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYN,B	CSF
1586	.165	1916	.02	-.00	100365	.2696	.0564	-.0677	-.0006	.0001	-.0029
1587	.166	1929	-1.86	.00	100352	.1413	.0595	-.1030	-.0011	.0001	-.0056
1588	.167	1952	.04	-.00	100328	.2739	.0579	-.0659	-.0000	.0001	-.0030
1589	.166	1939	1.97	-.00	100342	.4035	.0530	-.0327	-.0010	.0001	-.0029
1590	.166	1929	3.91	-.00	100352	.5320	.0424	.0010	-.0012	.0006	.0052
1591	.166	1929	5.90	-.00	100352	.6583	.0273	.0439	-.0012	-.0010	.0025
1592	.165	1909	7.91	-.00	100372	.7834	.0170	.0045	-.0007	-.0005	-.0000
1593	.165	1922	9.96	-.00	100350	.9112	.0096	.1217	-.0013	-.0006	.0035
1594	.167	1952	12.11	-.00	100328	1.0214	.0077	.1609	-.0012	-.0001	.0011
1595	.167	1949	14.17	-.00	100332	1.1254	.0130	.2039	-.0007	.0002	-.0003
1596	.167	1952	16.16	.00	100328	1.2221	.0363	.2301	-.0004	-.0004	-.0002
1597	.165	1902	18.16	-.00	100379	1.3776	.0510	.2479	-.0009	-.0002	.0021
1598	.166	1932	20.15	-.00	100348	1.5033	.0446	.2935	-.0005	.0001	.0014
1599	.166	1935	21.83	-.00	100345	1.6092	.0390	.3317	.0010	.0003	.0024
1600	.166	1932	.04	-.00	100348	.2744	.0670	-.0656	-.0006	-.0001	-.0029

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 97							
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1586	.0210	0.0000	.9811	22.2000	0.0000	0.0000	0.0000	.0184	.0079		
1587	-1.8639	0.0000	.9814	22.2000	0.0000	0.0000	0.0000	.0181	.0080		
1588	.0379	0.0000	.9815	22.2000	0.0000	0.0000	0.0000	.0177	.0078		
1589	1.9697	0.0000	.9824	22.2000	0.0000	0.0000	0.0000	.0170	.0077		
1590	3.9053	0.0000	.9812	22.2000	0.0000	0.0000	0.0000	.0181	.0076		
1591	5.9006	0.0000	.9818	22.2000	0.0000	0.0000	0.0000	.0175	.0073		
1592	7.9129	0.0000	.9830	22.2000	0.0000	0.0000	0.0000	.0165	.0072		
1593	9.9635	0.0000	.9826	22.2000	0.0000	0.0000	0.0000	.0166	.0071		
1594	12.1065	0.0000	.9810	22.2000	0.0000	0.0000	0.0000	.0170	.0074		
1595	14.1717	0.0000	.9808	22.2000	0.0000	0.0000	0.0000	.0179	.0071		
1596	16.1610	0.0000	.9748	22.2000	0.0000	0.0000	0.0000	.0232	.0083		
1597	18.1610	0.0000	.9707	22.2000	0.0000	0.0000	0.0000	.0273	.0097		
1598	20.1506	0.0000	.9696	22.2000	0.0000	0.0000	0.0000	.0277	.0099		
1599	21.8307	0.0000	.9683	22.2000	0.0000	0.0000	0.0000	.0285	.0101		
1600	.0400	0.0000	.9822	22.2000	0.0000	0.0000	0.0000	.0172	.0079		

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 97							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1586	.0210	.2695	.0564	-.0677	.2695	.0302	-.0677	.2695	.0486	-.0677	1.0000
1587	-1.8639	.1431	.0549	-.1030	.1431	.0280	-.1030	.1431	.0469	-.1030	1.0000
1588	.0379	.2738	.0581	-.0659	.2738	.0325	-.0659	.2738	.0503	-.0659	1.0000
1589	1.9697	.4015	.0669	-.0327	.4015	.0422	-.0327	.4015	.0591	-.0327	1.0000
1590	3.9053	.5267	.0786	.0010	.5267	.0520	.0010	.5267	.0710	.0010	1.0000
1591	5.9006	.6520	.0948	.0439	.6520	.0700	.0439	.6520	.0876	.0439	1.0000
1592	7.9129	.7736	.1247	.0845	.7736	.1010	.0845	.7736	.1175	.0845	1.0000
1593	9.9635	.8958	.1671	.1217	.8958	.1434	.1217	.8958	.1600	.1217	1.0000
1594	12.1065	.9970	.2217	.1609	.9970	.1965	.1609	.9970	.2143	.1609	1.0000
1595	14.1717	1.0880	.2881	.2039	1.0880	.2631	.2039	1.0880	.2810	.2039	1.0000
1596	16.1610	1.1637	.3750	.2301	1.1637	.3434	.2301	1.1637	.3667	.2301	1.0000
1597	18.1610	1.2931	.4778	.2479	1.2931	.4408	.2479	1.2931	.4681	.2479	1.0000
1598	20.1506	1.3959	.5598	.2935	1.3959	.5222	.2935	1.3959	.5498	.2935	1.0000
1599	21.8307	1.4793	.6346	.3317	1.4793	.5961	.3317	1.4793	.6246	.3317	1.0000
1600	.0400	.2744	.0672	-.0656	.2744	.0420	-.0656	.2744	.0593	-.0656	1.0000

NASA LANGLEY											
TEST		995	7 X 10 HIGH SPEED TUNNEL								
			RUN 98								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1601	.166	1935	.03	.00	100345	.2648	-.0635	-.0625	-.0006	-.0002	-.0041
1602	.167	1958	.05	.00	100328	.7891	-.9268	-.3537	-.0014	.0003	-.0060
1603	.167	1952	-1.81	-.00	100345	.6519	-.9254	-.3854	-.0015	.0001	-.0032
1604	.166	1939	.08	-.00	100349	.7936	-.9346	-.3563	-.0017	.0002	-.0037
1605	.166	1939	1.98	.00	100349	.9294	-.9447	-.3250	-.0014	.0003	-.0063
1606	.166	1942	3.94	.00	100345	1.0738	-.9568	-.2920	-.0019	-.0002	-.0041
1607	.165	1922	5.95	.00	100365	1.2259	-.9835	-.2610	-.0012	-.0013	-.0038
1608	.165	1916	7.93	.00	100372	1.3784	-.9943	-.2290	-.0010	-.0003	-.0049
1609	.166	1945	10.05	.00	100342	1.5179	-.9884	-.2834	-.0009	-.0001	-.0040
1610	.165	1916	12.14	-.00	100365	1.6599	-1.0070	-.1805	-.0009	.0003	-.0003
1611	.166	1939	14.20	.00	100342	1.7898	-.9875	-.1509	-.0011	.0005	-.0034
1612	.166	1942	16.22	.00	100338	1.9274	-.9776	-.1315	-.0022	.0004	-.0028
1613	.166	1932	18.21	-.00	100348	2.0745	-.9795	-.1020	-.0017	.0007	-.0015
1614	.166	1932	20.20	.00	100348	2.2380	-.9848	-.0657	-.0016	.0012	-.0058
1615	.166	1942	21.67	-.00	100335	2.3668	-.9845	-.0368	-.0010	.0015	-.0021
1616	.167	1962	.06	-.00	100312	.7989	-.9563	-.3623	-.0015	.0002	-.0036

TEST	995	RUN 98							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1601	.0280	0.0000	.9824	22.2000	0.0000	0.0000	0.0000	.0170	.0079
1602	.0541	21.5722	2.0783	22.2000	1.1123	1.1248	0.0000	-1.0298	.0136
1603	-1.8119	21.4829	2.0732	22.2000	1.1116	1.1241	0.0000	-1.0281	.0136
1604	.0794	21.4332	2.0723	22.2000	1.1166	1.1291	0.0000	-1.0347	.0136
1605	1.9846	21.4513	2.0767	22.2000	1.1194	1.1320	0.0000	-1.0384	.0137
1606	3.9369	21.4678	2.0764	22.2000	1.1180	1.1306	0.0000	-1.0345	.0137
1607	5.9457	21.4762	2.0778	22.2000	1.1307	1.1434	0.0000	-1.0435	.0138
1608	7.9265	21.4877	2.0783	22.2000	1.1367	1.1495	0.0000	-1.0433	.0141
1609	10.0524	21.5269	2.0819	22.2000	1.1231	1.1357	0.0000	-1.0244	.0146
1610	12.1356	21.5353	2.0873	22.2000	1.1431	1.1559	0.0000	-1.0383	.0153
1611	14.2045	21.5770	2.0878	22.2000	1.1314	1.1441	0.0000	-1.0175	.0174
1612	16.2169	21.5997	2.0896	22.2000	1.1314	1.1441	0.0000	-1.0078	.0197
1613	18.2133	21.6084	2.0897	22.2000	1.1381	1.1509	0.0000	-1.0023	.0217
1614	20.2021	21.6340	2.0933	22.2000	1.1484	1.1532	0.0000	-.9935	.0235
1615	21.6707	21.6497	2.0958	22.2000	1.1370	1.1498	0.0000	-.9808	.0246
1616	.0569	21.6953	2.1000	22.2000	1.1287	1.1414	0.0000	-1.0485	.0137

TEST	995				RUN				98			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM	
1601	.0280	.2648	.0636	-.0625	.2648	.0387	-.0625	.2648	.0557	-.0625	1.0000	
1602	.0541	.7900	-.9260	-.3537	.7898	.1727	-.2282	.7901	-1.0139	-.3621	1.2000	
1603	-1.8119	.6224	-.9455	-.3854	.6575	.1520	-.2688	.6280	-1.0341	-.3939	1.2000	
1604	.0794	.7949	-.9335	-.3563	.7934	.1694	-.2304	.7950	-1.0172	-.3642	1.2000	
1605	1.9846	.9615	-.9119	-.3250	.9228	.1931	-.1987	.9639	-.9928	-.3326	1.2000	
1606	3.9369	1.1361	-.8801	-.2920	1.0594	.2216	-.1658	1.1488	-.9622	-.2997	1.2000	
1607	5.9457	1.3212	-.8512	-.2610	1.2041	.2595	-.1334	1.3270	-.9207	-.2673	1.2000	
1608	7.9265	1.5024	-.7947	-.2290	1.3456	.3170	-.1088	1.5092	-.8583	-.2347	1.2000	
1609	10.0524	1.6672	-.7083	-.2034	1.4711	.3830	-.0767	1.6782	-.7854	-.2105	1.2000	
1610	12.1356	1.8345	-.6356	-.1805	1.5942	.4665	-.0516	1.8437	-.6936	-.1854	1.2000	
1611	14.2045	1.9774	-.5181	-.1509	1.6998	.5614	-.0233	1.9909	-.5890	-.1571	1.2000	
1612	16.2169	2.1237	-.4804	-.1315	1.8077	.6662	-.0039	2.1391	-.4733	-.1377	1.2000	
1613	18.2133	2.2757	-.2820	-.1020	1.9210	.7774	.0264	2.2919	-.3498	-.1075	1.2000	
1614	20.2021	2.4404	-.1514	-.0657	2.0466	.8954	.0629	2.4564	-.2183	-.0789	1.2000	
1615	21.6797	2.5638	-.0410	-.0368	2.1432	.9911	.0915	2.5814	-.1117	-.0424	1.2000	
1616	.0569	.7998	-.9555	-.3623	.7987	.1595	-.2349	.7999	-1.0272	-.3688	1.2000	

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	O N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	RUN 99					
						CNF	CAF	CPM	CRM,B	CYM,B	CSF
1617	.167	1965	.05	.00	100301	.9342	-1.3862	-.4752	-.0019	.0012	-.0144
1618	.167	1949	-1.80	.00	100318	.8071	-1.4041	-.5077	-.0023	.0012	-.0171
1619	.167	1949	.00	.00	100318	.9448	-1.4088	-.4758	-.0019	.0013	-.0154
1620	.166	1939	2.01	.00	100328	1.0832	-1.4259	-.4459	-.0026	.0019	-.0278
1621	.167	1955	3.96	.00	100311	1.2080	-1.4342	-.4105	-.0022	.0008	-.0088
1622	.166	1942	5.93	.00	100325	1.3661	-1.4588	-.3777	-.0020	-.0000	-.0094
1623	.166	1942	8.01	.00	100325	1.5152	-1.4679	-.3420	-.0014	.0007	-.0118
1624	.165	1912	10.05	.00	100355	1.6661	-1.4951	-.3238	-.0019	.0013	-.0108
1625	.167	1949	12.14	.00	100311	1.7797	-1.4457	-.2867	-.0014	.0014	-.0090
1626	.166	1945	14.21	.00	100315	1.8923	-1.4474	-.2512	-.0023	.0012	-.0100
1627	.166	1935	16.21	.00	100325	2.0378	-1.4464	-.2365	-.0027	.0016	-.0096
1628	.165	1922	18.19	.00	100338	2.1823	-1.4588	-.2077	-.0026	.0020	-.0094
1629	.166	1935	20.21	.00	100325	2.3396	-1.4540	-.1665	-.0017	.0024	-.0126
1630	.168	1972	21.85	.00	100291	2.4751	-1.4343	-.1283	-.0013	.0026	-.0132
1631	.166	1935	.06	.00	100325	.9454	-1.4010	-.4798	-.0018	.0011	-.0158

TEST 995										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	RUN 99					
					CT	CMU,N	CMU,J	CD,N	CD,C	
1617	.0533	26.9228	2.6084	21.8716	1.5706	1.5883	0.0000	-1.5305	.0148	
1618	-1.8006	25.9815	2.6177	21.8809	1.5913	1.6092	0.0000	-1.5519	.0152	
1619	.0769	27.0483	2.6254	21.7430	1.5973	1.6153	0.0000	-1.5680	.0152	
1620	2.0080	27.0904	2.6305	21.7040	1.6087	1.6268	0.0000	-1.5721	.0152	
1621	3.9553	27.1463	2.6320	21.6932	1.5994	1.6174	0.0000	-1.5572	.0152	
1622	5.9314	27.1191	2.6314	21.6972	1.6098	1.6279	0.0000	-1.5628	.0154	
1623	8.0055	27.1691	2.6370	21.6553	1.6141	1.6323	0.0000	-1.5612	.0159	
1624	10.0454	27.1907	2.6374	21.6520	1.6403	1.6587	0.0000	-1.5774	.0168	
1625	12.1397	26.9357	2.6104	21.6560	1.5874	1.6052	0.0000	-1.5110	.0178	
1626	14.2135	26.9929	2.6223	21.7664	1.5983	1.6163	0.0000	-1.5119	.0206	
1627	16.2081	27.0279	2.6213	21.7738	1.6076	1.6257	0.0000	-1.5045	.0240	
1628	18.1942	27.0443	2.6222	21.7673	1.6199	1.6381	0.0000	-1.4997	.0266	
1629	20.2072	27.1048	2.6292	21.7142	1.6150	1.6332	0.0000	-1.4775	.0288	
1630	21.8451	27.1208	2.6324	21.6897	1.5867	1.6046	0.0000	-1.4368	.0302	
1631	.0625	26.7841	2.5954	21.9701	1.5864	1.6043	0.0000	-1.5417	.0152	

TEST 995											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 99					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1617	.0533	.9355	-1.3854	-.4752	.9341	.1704	-.2980	.9354	-1.3129	-.4653	1.5000
1618	-1.8006	.7625	-1.4287	-.5077	.8125	.1466	-.3281	.7659	-1.3360	-.4955	1.5000
1619	.0769	.9467	-1.4076	-.4758	.9445	.1746	-.2956	.9465	-1.3088	-.4630	1.5000
1620	2.0080	1.1325	-1.3871	-.4459	1.0761	.2054	-.2644	1.1201	-1.2770	-.4317	1.5000
1621	3.9553	1.3841	-1.3474	-.4105	1.1937	.2330	-.2381	1.2961	-1.2468	-.3974	1.5000
1622	5.9314	1.5095	-1.3098	-.3777	1.3432	.2760	-.1961	1.4965	-1.1994	-.3635	1.5000
1623	8.0055	1.7049	-1.2426	-.3420	1.4881	.3480	-.1599	1.6866	-1.1289	-.3272	1.5000
1624	10.0454	1.9013	-1.1815	-.3238	1.6152	.4168	-.1388	1.8740	-1.0438	-.3061	1.5000
1625	12.1397	2.0439	-1.0391	-.2867	1.7101	.4950	-.1076	2.0221	-.9552	-.2750	1.5000
1626	14.2135	2.1897	-.9385	-.2512	1.7973	.5903	-.0709	2.1615	-.8476	-.2382	1.5000
1627	16.2081	2.3605	-.8201	-.2365	1.9118	.6996	-.0551	2.3258	-.7248	-.2224	1.5000
1628	18.1942	2.5287	-.7045	-.2077	2.0229	.8078	-.0250	2.4861	-.6014	-.1923	1.5000
1629	20.2072	2.6979	-.5564	-.1665	2.1400	.9304	.0157	2.6524	-.4616	-.1517	1.5000
1630	21.8451	2.8311	-.4104	-.1283	2.2406	1.0323	.0507	2.7926	-.3446	-.1166	1.5000
1631	.0625	.9470	-1.3999	-.4798	.9452	.1714	-.3088	.9468	-1.3120	-.4674	1.5000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995			RUN		100				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1632	.167	1952	.05	.00	100308	1.0094	-1.6401	-.5377	-.0014	.0014	-.0213
1633	.166	1942	-1.81	.00	100318	.8787	-1.6498	-.5724	-.0018	.0019	-.0251
1634	.166	1939	.08	.00	100321	1.0200	-1.6533	-.5412	-.0016	.0012	-.0179
1635	.165	1922	2.00	.00	100342	1.1667	-1.6770	-.5156	-.0020	.0015	-.0227
1636	.167	1965	3.94	.00	100301	1.2812	-1.6549	-.4740	-.0023	.0012	-.0211
1637	.167	1949	5.97	.00	100318	1.4461	-1.6858	-.4407	-.0018	.0002	-.0185
1638	.167	1955	7.99	.00	100311	1.5805	-1.6866	-.4038	-.0011	.0007	-.0209
1639	.167	1965	10.04	.00	100301	1.7221	-1.6788	-.3783	-.0012	.0015	-.0187
1640	.167	1962	12.13	.00	100305	1.8434	-1.6824	-.3482	-.0010	.0019	-.0167
1641	.165	1922	14.25	.00	100345	1.9759	-1.7101	-.3197	-.0021	.0013	-.0159
1642	.165	1919	16.23	.00	100348	2.0920	-1.7003	-.3012	-.0021	.0017	-.0133
1643	.166	1942	18.26	.00	100325	2.2296	-1.6770	-.2636	-.0024	.0016	-.0151
1644	.166	1935	20.21	.00	100332	2.3963	-1.6837	-.2315	-.0018	.0020	-.0173
1645	.166	1929	21.72	.00	100338	2.5403	-1.6937	-.2058	-.0024	.0018	-.0177
1646	.167	1965	.07	.00	100305	1.0060	-1.6361	-.5369	-.0017	.0018	-.0219
1647	.167	1949	.02	.00	100311	.2707	.0484	-.0707	-.0009	-.0004	-.0086

TEST		995			RUN		100		
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1632	.0539	29.6323	2.8802	19.8148	1.8233	1.8438	0.0000	-1.8013	.0153
1633	-1.8095	29.6603	2.8818	19.8020	1.8346	1.8552	0.0000	-1.8113	.0153
1634	.0773	29.6495	2.8799	19.8167	1.8357	1.8564	0.0000	-1.8136	.0153
1635	1.9953	29.6496	2.8807	19.8107	1.8521	1.8729	0.0000	-1.8292	.0152
1636	3.9391	29.6970	2.8881	19.7548	1.8171	1.8375	0.0000	-1.7924	.0150
1637	5.9666	29.7238	2.8862	19.7695	1.8328	1.8534	0.0000	-1.8005	.0151
1638	7.9914	29.7802	2.8888	19.7492	1.8266	1.8471	0.0000	-1.7891	.0153
1639	10.0410	29.6725	2.8874	19.7599	1.8156	1.8360	0.0000	-1.7685	.0161
1640	12.1263	29.6510	2.8845	19.7823	1.8155	1.8359	0.0000	-1.7562	.0171
1641	14.2463	29.6639	2.8802	19.8147	1.8529	1.8738	0.0000	-1.7736	.0201
1642	16.2294	29.6806	2.8824	19.7982	1.8574	1.8783	0.0000	-1.7620	.0236
1643	18.2568	29.6416	2.8784	19.8279	1.8331	1.8537	0.0000	-1.7181	.0261
1644	20.2082	29.6197	2.8763	19.8440	1.8373	1.8579	0.0000	-1.7017	.0284
1645	21.7172	29.6590	2.8772	19.8372	1.8458	1.8665	0.0000	-1.6913	.0297
1646	.0726	29.7164	2.8841	19.7851	1.8169	1.8373	0.0000	-1.7929	.0151
1647	.0166	0.0000	.9622	22.2000	0.0000	0.0000	0.0000	.0363	.0000

TEST		995				RUN		100			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1632	.0539	1.0110	-1.6391	-.5377	1.0093	.1689	-.3320	1.8109	-1.6111	-.5329	1.8000
1633	-1.8095	.8262	-1.6768	-.5724	.8841	.1416	-.3654	.8279	-1.6375	-.5663	1.8000
1634	.0773	1.0222	-1.6519	-.5412	1.0197	.1685	-.3341	1.8221	-1.6115	-.5349	1.8000
1635	1.9953	1.2244	-1.6354	-.5156	1.1599	.2084	-.3067	1.2219	-1.5786	-.5075	1.8000
1636	3.9391	1.3918	-1.5630	-.4748	1.2670	.2348	-.2690	1.3893	-1.5410	-.4699	1.8000
1637	5.9666	1.6135	-1.5264	-.4407	1.4230	.2814	-.2339	1.6888	-1.4890	-.4347	1.8000
1638	7.9914	1.7997	-1.4505	-.4038	1.5457	.3430	-.1977	1.7932	-1.4197	-.3985	1.8000
1639	10.0410	1.9885	-1.3528	-.3783	1.6719	.4189	-.1734	1.9823	-1.3339	-.3743	1.8000
1640	12.1263	2.1557	-1.2576	-.3482	1.7743	.5082	-.1434	2.1482	-1.2408	-.3442	1.8000
1641	14.2463	2.3360	-1.1712	-.3197	1.8880	.6047	-.1107	2.3183	-1.1206	-.3115	1.8000
1642	16.2294	2.4839	-1.0478	-.3012	1.9648	.7119	-.0916	2.4622	-.9971	-.2925	1.8000
1643	18.2568	2.6428	-.8941	-.2636	2.0685	.8206	-.0568	2.6261	-.8698	-.2576	1.8000
1644	20.2082	2.8304	-.7523	-.2315	2.1957	.9435	-.0242	2.8106	-.7269	-.2250	1.8000
1645	21.7172	2.9867	-.6335	-.2058	2.3038	1.0516	-.0025	2.9624	-.6026	-.1983	1.8000
1646	.0726	1.8081	-1.6348	-.5369	1.8058	.1669	-.3320	1.8081	-1.6131	-.5328	1.8000
1647	.0166	.2707	.0485	-.0787	.2787	.8841	-.0707	.2707	.0405	-.0707	1.0000

NASA LANGLEY											
TEST, 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 102								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1656	.166	1939	.01	.00	100176	.3033	.0603	-.0761	-.0022	.0001	-.0047
1657	.166	1935	-2.35	.00	100179	.1407	.0650	-.1207	-.0021	.0002	-.0056
1658	.166	1935	.01	.00	100179	.3086	.0616	-.0754	-.0017	.0005	-.0071
1659	.166	1942	1.94	.00	100172	.4374	.0552	-.0416	-.0021	.0006	-.0059
1660	.166	1925	3.90	.00	100189	.5671	.0452	-.0054	-.0026	.0002	-.0061
1661	.166	1929	5.88	.00	100186	.6839	.0310	.0378	-.0020	-.0006	-.0019
1662	.166	1925	7.91	.00	100186	.8143	.0180	.0779	-.0024	.0000	-.0028
1663	.167	1949	9.99	.00	100162	.9369	.0114	.1121	-.0014	.0003	-.0021
1664	.166	1925	12.09	.00	100186	1.0515	.0091	.1539	-.0010	.0004	-.0033
1665	.166	1929	14.19	.00	100182	1.1518	.0152	.1957	-.0026	.0018	-.0035
1666	.166	1925	16.19	.00	100193	1.2380	.0373	.2221	-.0008	-.0003	-.0026
1667	.166	1925	18.18	.00	100193	1.3773	.0516	.2431	-.0014	.0001	-.0023
1668	.165	1906	20.17	-.00	100209	1.4982	.0437	.2936	-.0001	.0004	-.0011
1669	.166	1932	21.60	-.00	100182	1.5890	.0409	.3298	.0003	.0007	-.0018
1670	.166	1929	.02	.00	100189	.2991	.0666	-.0746	-.0014	.0004	-.0004

TEST 995									
RUN 102									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1656	.0137	0.0000	.9749	24.0210	0.0000	0.0000	0.0000	.0241	.0078
1657	-2.3499	0.0000	.9746	24.0206	0.0000	0.0000	0.0000	.0245	.0080
1658	.0141	0.0000	.9744	24.0202	0.0000	0.0000	0.0000	.0247	.0078
1659	1.9376	.0454	.9738	24.0195	0.0000	0.0000	0.0000	.0252	.0076
1660	3.9032	0.0000	.9735	24.0190	0.0000	0.0000	0.0000	.0257	.0077
1661	5.8799	0.0000	.9738	24.0195	0.0000	0.0000	0.0000	.0252	.0071
1662	7.9145	0.0000	.9741	24.0199	0.0000	0.0000	0.0000	.0249	.0068
1663	9.9868	0.0000	.9739	24.0196	0.0000	0.0000	0.0000	.0246	.0069
1664	12.0881	0.0000	.9737	24.0193	0.0000	0.0000	0.0000	.0250	.0070
1665	14.1861	0.0000	.9722	24.0173	0.0000	0.0000	0.0000	.0261	.0069
1666	16.1934	0.0000	.9666	24.0098	0.0000	0.0000	0.0000	.0311	.0082
1667	18.1849	0.0000	.9620	24.0036	0.0000	0.0000	0.0000	.0351	.0093
1668	20.1672	0.0000	.9610	24.0023	0.0000	0.0000	0.0000	.0359	.0093
1669	21.6017	0.0000	.9602	24.0012	0.0000	0.0000	0.0000	.0357	.0099
1670	.0227	.0955	.9722	24.0173	0.0000	0.0000	0.0000	.0269	.0077

TEST 995				RUN 102							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1656	.0137	.3033	.0604	-.0761	.3033	.0284	-.0761	.3033	.0525	-.0761	1.0000
1657	-2.3499	.1432	.0591	-.1207	.1432	.0267	-.1207	.1432	.0512	-.1207	1.0000
1658	.0141	.3086	.0617	-.0754	.3086	.0292	-.0754	.3086	.0540	-.0754	1.0000
1659	1.9376	.4353	.0700	-.0416	.4353	.0372	-.0416	.4353	.0624	-.0416	1.0000
1660	3.9032	.5627	.0837	-.0054	.5627	.0502	-.0054	.5627	.0759	-.0054	1.0000
1661	5.8799	.6771	.1009	.0378	.6771	.0685	.0378	.6771	.0938	.0378	1.0000
1662	7.9145	.8040	.1360	.0779	.8040	.0983	.0779	.8040	.1231	.0779	1.0000
1663	9.9868	.9207	.1737	.1121	.9207	.1422	.1121	.9207	.1668	.1121	1.0000
1664	12.0881	1.0263	.2291	.1539	1.0263	.1971	.1539	1.0263	.2220	.1539	1.0000
1665	14.1861	1.1130	.2970	.1957	1.1130	.2640	.1957	1.1130	.2902	.1957	1.0000
1666	16.1934	1.1785	.3811	.2221	1.1785	.3417	.2221	1.1785	.3729	.2221	1.0000
1667	18.1849	1.2924	.4788	.2431	1.2924	.4345	.2431	1.2924	.4696	.2431	1.0000
1668	20.1672	1.3913	.5575	.2936	1.3913	.5124	.2936	1.3913	.5482	.2936	1.0000
1669	21.6017	1.4623	.6231	.3298	1.4623	.5774	.3298	1.4623	.6132	.3298	1.0000
1670	.0227	.2991	.0667	-.0746	.2991	.0321	-.0746	.2991	.0590	-.0746	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 103								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1671	.166	1929	.02	.00	100189	.3003	.0672	-.0735	-.0016	.0005	-.0072
1672	.166	1925	.01	.00	100193	.3045	.0663	-.0727	-.0016	.0005	-.0072
1673	.166	1939	.05	.00	100183	1.1116	-1.5722	-.5711	-.0030	.0019	-.0217
1674	.166	1939	-2.27	.00	100179	.9405	-1.5781	-.6131	-.0023	.0022	-.0215
1675	.167	1952	.39	.00	100166	1.1143	-1.5704	-.5700	-.0031	.0022	-.0191
1676	.166	1932	2.00	.00	100186	1.2571	-1.5993	-.5466	-.0028	.0017	-.0175
1677	.167	1949	3.96	.00	100176	1.3947	-1.6044	-.5104	-.0031	.0017	-.0207
1679	.166	1939	5.95	.00	100186	1.5359	-1.6195	-.4733	-.0033	.0004	-.0179
1680	.166	1942	7.96	.00	100183	1.6848	-1.6270	-.4399	-.0018	.0012	-.0229
1681	.166	1929	10.04	.00	100196	1.8340	-1.6447	-.4219	-.0023	.0019	-.0196
1682	.166	1932	12.15	.00	100193	1.9428	-1.6369	-.3876	-.0023	.0020	-.0199
1683	.166	1935	14.23	.00	100189	2.0554	-1.6373	-.3506	-.0026	.0017	-.0199
1684	.166	1935	16.23	.00	100189	2.1706	-1.6297	-.3299	-.0017	.0015	-.0189
1685	.166	1925	18.21	.00	100196	2.3281	-1.6418	-.2870	-.0031	.0016	-.0193
1686	.166	1925	20.21	.00	100199	2.4506	-1.5863	-.2353	-.0019	.0026	-.0251
1687	.166	1925	21.75	.00	100199	2.5939	-1.6033	-.2124	-.0009	.0021	-.0207
1688	.167	1952	.07	.00	100173	1.1062	-1.5620	-.5666	-.0030	.0020	-.0272
1689	.166	1929	.02	.00	100176	.3131	.0402	-.0768	-.0022	.0006	-.0103

TEST 995			RUN 103							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
1671	.0182	0.0000	.9714	24.0162	0.0000	0.0000	0.0000	.0277	.0077	
1672	.0115	0.0000	.9714	24.0162	0.0000	0.0000	0.0000	.0278	.0077	
1673	.0513	29.1418	2.8325	23.1544	1.7904	1.8105	0.0000	-1.7654	.0143	
1674	-2.2720	29.1465	2.8375	23.1050	1.7934	1.8135	0.0000	-1.7687	.0143	
1675	.0936	29.1418	2.8410	23.0703	1.7833	1.8033	0.0000	-1.7613	.0142	
1676	2.0041	29.1771	2.8416	23.0648	1.8052	1.8255	0.0000	-1.7791	.0143	
1677	3.9632	29.2521	2.8504	22.9779	1.7966	1.8168	0.0000	-1.7692	.0141	
1679	5.9547	29.1278	2.8346	23.1335	1.7945	1.8147	0.0000	-1.7579	.0143	
1680	7.9804	29.1959	2.8391	23.0890	1.7966	1.8168	0.0000	-1.7516	.0147	
1681	10.0392	29.2274	2.8416	23.0641	1.8123	1.8327	0.0000	-1.7562	.0156	
1682	12.1492	29.1276	2.8291	23.1874	1.7994	1.8196	0.0000	-1.7288	.0166	
1683	14.2302	29.2535	2.8495	22.9864	1.8088	1.8291	0.0000	-1.7302	.0189	
1684	16.2266	29.2894	2.8533	22.9490	1.8112	1.8315	0.0000	-1.7173	.0219	
1685	18.2149	29.3187	2.8503	22.9781	1.8231	1.8436	0.0000	-1.7051	.0246	
1686	20.2101	28.6415	2.7837	23.6363	1.7621	1.7819	0.0000	-1.6239	.0275	
1687	21.7460	28.8308	2.8053	23.4233	1.7805	1.8005	0.0000	-1.6267	.0285	
1688	.0700	28.9844	2.8228	23.2502	1.7701	1.7900	0.0000	-1.7440	.0142	
1689	.0167	0.0000	.9623	24.0041	0.0000	0.0000	0.0000	.0365	.0079	

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 103								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1671	.0182	.3003	.0673	-.0735	.3003	.0319	-.0735	.3003	.0596	-.0735	1.0000
1672	.0115	.3044	.0664	-.0727	.3044	.0309	-.0727	.3044	.0587	-.0727	1.0000
1673	.0513	1.1130	-1.5712	-.5711	1.1114	.2849	-.3691	1.1130	-1.5751	-.5700	1.0000
1674	-2.2720	.8772	-1.6141	-.6131	.9483	.1636	-.4108	.8777	-1.6150	-.6116	1.0000
1675	.0936	1.1169	-1.5686	-.5700	1.1139	.2086	-.3688	1.1169	-1.5794	-.5696	1.0000
1676	2.0041	1.3123	-1.5543	-.5466	1.2491	.2356	-.3430	1.3114	-1.5434	-.5438	1.0000
1677	3.9632	1.5022	-1.5042	-.5184	1.3780	.2741	-.3077	1.5011	-1.5016	-.5085	1.0000
1679	5.9547	1.6956	-1.4515	-.4733	1.5095	.3190	-.2709	1.6941	-1.4514	-.4717	1.0000
1680	7.9804	1.8943	-1.3773	-.4399	1.6449	.3873	-.2372	1.8920	-1.3755	-.4380	1.0000
1681	10.0392	2.0926	-1.2998	-.4219	1.7767	.4691	-.2174	2.0870	-1.2636	-.4183	1.0000
1682	12.1492	2.2438	-1.1914	-.3876	1.8651	.5511	-.1846	2.2397	-1.1890	-.3854	1.0000
1683	14.2302	2.3948	-1.0818	-.3506	1.9502	.6525	-.1466	2.3877	-1.0729	-.3474	1.0000
1684	16.2266	2.5395	-.9582	-.3299	2.0334	.7589	-.1256	2.5308	-.9502	-.3264	1.0000
1685	18.2149	2.7246	-.8310	-.2970	2.1547	.8753	-.0913	2.7111	-.8155	-.2921	1.0000
1686	20.2101	2.8477	-.6420	-.2353	2.2390	.9841	-.0365	2.8539	-.6863	-.2374	1.0000
1687	21.7460	3.0033	-.5282	-.2124	2.3437	1.0971	-.0115	3.0032	-.5562	-.2124	1.0000
1688	.0700	1.1081	-1.5606	-.5666	1.1059	.1953	-.3669	1.1081	-1.5847	-.5678	1.0000
1689	.0167	.3131	.0483	-.0768	.3131	.0040	-.0768	.3131	.0405	-.0768	1.0000

NASA LANGLEY											
TEST		995		7 X 10 HIGH SPEED TUNNEL							
				RUN 105							
POINT	MACH	O N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	GRM,B	CYM,B	CSF
1706	.166	1939	.03	-.00	100155	.5448	.1148	-.1548	-.0011	.0001	-.0067
1707	.166	1922	-1.84	.00	100172	.4083	.1167	-.1886	-.0007	.0002	-.0114
1708	.166	1932	.05	-.00	100162	.5449	.1143	-.1549	-.0000	-.0010	.0111
1709	.166	1922	1.99	-.00	100172	.6761	.1064	-.1233	-.0014	-.0002	-.0053
1710	.166	1922	3.93	-.00	100172	.8213	.0962	-.0879	-.0015	-.0008	-.0028
1711	.166	1922	5.93	-.00	100172	.9618	.0870	-.0520	-.0008	-.0005	-.0038
1712	.166	1935	7.95	-.00	100159	1.0909	.0784	-.0198	-.0004	-.0006	-.0034
1713	.167	1949	10.02	-.00	100156	1.2086	.0748	.0102	-.0008	-.0004	-.0035
1714	.166	1935	12.17	-.00	100162	1.3145	.0740	.0482	-.0007	-.0002	-.0025
1715	.166	1935	14.20	-.00	100159	1.4016	.0796	.0926	-.0008	-.0002	-.0049
1716	.166	1929	16.19	-.00	100169	1.4997	.0974	.1216	-.0020	-.0005	-.0041
1717	.165	1919	18.19	-.00	100179	1.6684	.1093	.1422	-.0009	-.0007	-.0004
1718	.167	1945	20.18	-.00	100149	1.8023	.1183	.1852	-.0009	-.0007	-.0035
1719	.165	1906	21.65	-.00	100189	1.8993	.1055	.2176	.0009	.0003	.0001
1720	.166	1932	.04	-.00	100159	.5486	.1243	-.1535	-.0011	-.0001	-.0068

TEST 995									
RUN 105									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C
1706	.0328	0.0000	.9664	43.1489	0.0000	0.0000	0.0000	.0324	.0095
1707	-1.8436	0.0000	.9682	43.1351	0.0000	0.0000	0.0000	.0388	.0099
1708	.0513	0.0000	.9654	43.1557	0.0000	0.0000	0.0000	.0334	.0097
1709	1.9902	0.0000	.9659	43.1523	0.0000	0.0000	0.0000	.0331	.0096
1710	3.9334	0.0000	.9654	43.1558	0.0000	0.0000	0.0000	.0335	.0096
1711	5.9270	0.0000	.9657	43.1541	0.0000	0.0000	0.0000	.0332	.0094
1712	7.9470	0.0000	.9659	43.1523	0.0000	0.0000	0.0000	.0326	.0090
1713	10.0245	0.0000	.9668	43.1455	0.0000	0.0000	0.0000	.0313	.0087
1714	12.1733	0.0000	.9659	43.1524	0.0000	0.0000	0.0000	.0322	.0087
1715	14.1983	0.0000	.9660	43.1515	0.0000	0.0000	0.0000	.0317	.0088
1716	16.1917	0.0000	.9628	43.1755	0.0000	0.0000	0.0000	.0346	.0097
1717	18.1931	0.0000	.9603	43.1935	0.0000	0.0000	0.0000	.0367	.0104
1718	20.1832	0.0000	.9545	43.2364	0.0000	0.0000	0.0000	.0410	.0111
1719	21.6533	0.0000	.9566	43.2209	0.0000	0.0000	0.0000	.0395	.0115
1720	.0376	0.0000	.9668	43.1455	0.0000	0.0000	0.0000	.0321	.0096

TEST 995											
RUN 105											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
1706	.0328	.5447	.1151	-.1548	.5447	.0732	-.1548	.5447	.1056	-.1548	1.0000
1707	-1.8436	.4118	.1036	-.1886	.4118	.0628	-.1886	.4118	.0937	-.1886	1.0000
1708	.0513	.5448	.1148	-.1549	.5448	.0717	-.1549	.5448	.1051	-.1549	1.0000
1709	1.9902	.6720	.1298	-.1233	.6720	.0871	-.1233	.6720	.1202	-.1233	1.0000
1710	3.9334	.8128	.1523	-.0879	.8128	.1092	-.0879	.8128	.1427	-.0879	1.0000
1711	5.9270	.9477	.1858	-.0520	.9477	.1432	-.0520	.9477	.1764	-.0520	1.0000
1712	7.9470	1.0696	.2284	-.0198	1.0696	.1868	-.0198	1.0696	.2194	-.0198	1.0000
1713	10.0245	1.1771	.2841	.0102	1.1771	.2441	.0102	1.1771	.2754	.0102	1.0000
1714	12.1733	1.2694	.3495	.0482	1.2694	.3086	.0482	1.2694	.3408	.0482	1.0000
1715	14.1983	1.3393	.4209	.0926	1.3393	.3804	.0926	1.3393	.4121	.0926	1.0000
1716	16.1917	1.4131	.5117	.1216	1.4131	.4674	.1216	1.4131	.5020	.1216	1.0000
1717	18.1931	1.5508	.6248	.1422	1.5508	.5777	.1422	1.5508	.6144	.1422	1.0000
1718	20.1832	1.6508	.7329	.1852	1.6508	.6888	.1852	1.6508	.7218	.1852	1.0000
1719	21.6533	1.7264	.7989	.2176	1.7264	.7479	.2176	1.7264	.7874	.2176	1.0000
1720	.0376	.5485	.1247	-.1535	.5485	.0830	-.1535	.5485	.1151	-.1535	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1721	.166	1925	.04	.00	100165	.5470	.1218	-.1530	-.0009	-.0003	-.0116
1722	.166	1932	.03	.00	100159	.5504	.1240	-.1522	-.0004	.0000	-.0081
1723	.166	1942	.07	.00	100149	1.4119	-1.4598	-.7974	-.0006	.0006	-.0190
1724	.166	1922	-1.79	.00	100169	1.2776	-1.4753	-.8347	-.0007	.0010	-.0258
1725	.166	1932	.11	.00	100159	1.4202	-1.4751	-.8020	-.0009	.0003	-.0225
1726	.166	1925	2.03	.00	100165	1.5630	-1.4901	-.7726	-.0005	.0004	-.0202
1727	.166	1939	3.98	.00	100152	1.6938	-1.4809	-.7334	-.0010	-.0001	-.0197
1728	.167	1949	5.97	-.00	100142	1.8436	-1.4882	-.6941	.0004	-.0017	-.0031
1729	.166	1922	8.00	.00	100172	2.0021	-1.5178	-.6734	-.0001	-.0002	-.0205
1730	.166	1929	10.06	.00	100162	2.1468	-1.5169	-.6486	-.0003	.0002	-.0195
1731	.166	1932	12.17	.00	100155	2.2502	-1.5291	-.6039	-.0002	-.0001	-.0184
1732	.166	1935	14.26	.00	100155	2.3682	-1.5328	-.5649	-.0020	-.0003	-.0156
1733	.166	1922	16.25	.00	100169	2.5485	-1.5365	-.5621	-.0018	-.0002	-.0168
1734	.166	1929	18.25	.00	100162	2.7059	-1.5276	-.5331	-.0005	-.0003	-.0156
1735	.166	1939	20.25	.00	100152	2.8473	-1.5222	-.4897	-.0008	-.0006	-.0182
1736	.166	1932	21.83	.00	100155	3.0010	-1.5327	-.4586	-.0002	-.0003	-.0157
1737	.167	1945	.07	.00	100145	1.4137	-1.4745	-.8003	-.0001	.0008	-.0271
1738	.166	1932	.03	-.00	100149	.5597	.1003	-.1626	-.0005	-.0002	-.0048

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1721	.0352	0.0000	.9663	43.1490	0.0000	0.0000	0.0000	.0326	.0096		
1722	.0332	0.0000	.9682	43.1351	0.0000	0.0000	0.0000	.0307	.0098		
1723	.0676	29.2442	2.8780	29.0827	1.8090	1.8293	0.0000	-1.8055	.0141		
1724	-1.7862	29.0967	2.8729	29.0405	1.8182	1.8387	0.0000	-1.8187	.0141		
1725	.1119	29.1958	2.8863	28.9414	1.8178	1.8382	0.0000	-1.8230	.0141		
1726	2.0302	29.1978	2.8869	28.9370	1.8238	1.8443	0.0000	-1.8288	.0141		
1727	3.9782	29.0794	2.8741	29.0315	1.8018	1.8220	0.0000	-1.8006	.0142		
1728	5.9744	29.1240	2.8743	29.0305	1.7943	1.8144	0.0000	-1.7860	.0145		
1729	7.9986	29.1467	2.8773	29.0082	1.8213	1.8418	0.0000	-1.8061	.0153		
1730	10.0624	29.1544	2.8780	29.0032	1.8161	1.8365	0.0000	-1.7901	.0163		
1731	12.1689	29.1827	2.8789	28.9965	1.8144	1.8348	0.0000	-1.7749	.0168		
1732	14.2557	29.2206	2.8816	28.9761	1.8143	1.8346	0.0000	-1.7594	.0184		
1733	16.2457	29.2153	2.8829	28.9664	1.8261	1.8466	0.0000	-1.7563	.0205		
1734	18.2520	29.2402	2.8867	28.9385	1.8261	1.8466	0.0000	-1.7347	.0224		
1735	20.2468	29.2364	2.8850	28.9588	1.8127	1.8330	0.0000	-1.7033	.0244		
1736	21.8324	29.2248	2.8893	28.9189	1.8201	1.8405	0.0000	-1.6949	.0257		
1737	.0749	29.2754	2.8910	28.9069	1.8132	1.8336	0.0000	-1.6149	.0140		
1738	.0288	0.0000	.9624	43.1781	0.0000	0.0000	0.0000	.0363	.0097		

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1721	.0352	.5469	.1221	-.1530	.5469	.0799	-.1530	.5469	.1125	-.1530	1.0000
1722	.0332	.5504	.1244	-.1522	.5504	.0838	-.1522	.5504	.1145	-.1522	1.0000
1723	.0676	1.4136	-1.4581	-.7974	1.4114	.3368	-.5933	1.4136	-1.4432	-.7941	1.8000
1724	-1.7862	1.2310	-1.5144	-.8347	1.2877	.2889	-.6296	1.2322	-1.4902	-.8304	1.8000
1725	.1119	1.4231	-1.4724	-.8020	1.4196	.3313	-.5969	1.4230	-1.4487	-.7977	1.8000
1726	2.0302	1.6148	-1.4338	-.7726	1.5502	.3748	-.5668	1.6132	-1.4041	-.7676	1.8000
1727	3.9782	1.7924	-1.3598	-.7334	1.6674	.4234	-.5302	1.7909	-1.3523	-.7310	1.8000
1728	5.9744	1.9885	-1.2883	-.6941	1.8817	.4818	-.4916	1.9878	-1.2885	-.6925	1.8000
1729	7.9986	2.1938	-1.2244	-.6734	1.9404	.5639	-.4680	2.1880	-1.1988	-.6688	1.8000
1730	10.0624	2.3789	-1.1185	-.6486	2.0615	.6533	-.4437	2.3726	-1.0993	-.6445	1.8000
1731	12.1689	2.5219	-1.0205	-.6039	2.1395	.7363	-.3992	2.5147	-1.0037	-.6000	1.8000
1732	14.2557	2.6727	-.9024	-.5649	2.2259	.8375	-.3602	2.6643	-.8876	-.5610	1.8000
1733	16.2457	2.8766	-.7621	-.5621	2.3657	.9705	-.3561	2.8637	-.7384	-.5569	1.8000
1734	18.2520	3.0482	-.6033	-.5331	2.4762	1.1085	-.3271	3.0337	-.5819	-.5279	1.8000
1735	20.2468	3.1931	-.4428	-.4897	2.5788	1.2335	-.2852	3.1868	-.4366	-.4860	1.8000
1736	21.8324	3.3557	-.3067	-.4586	2.6788	1.3571	-.2533	3.3408	-.2952	-.4541	1.8000
1737	.0749	1.4156	-1.4726	-.8003	1.4133	.3266	-.5957	1.4156	-1.4534	-.7965	1.8000
1738	.0288	.5596	.1006	-.1626	.5596	.0546	-.1626	.5596	.0909	-.1626	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF
1741	.166	1935	.03	-.00	100128	.4629	.0688	-.1396	-.0017	-.0001	-.0049
1742	.166	1932	-1.83	-.00	100128	.3399	.0737	-.1766	-.0016	.0001	-.0072
1743	.166	1935	.04	-.00	100125	.4733	.0706	-.1418	-.0014	.0001	-.0074
1744	.166	1925	1.96	-.00	100135	.5810	.0629	-.1009	-.0020	-.0001	-.0045
1745	.165	1919	3.91	-.00	100142	.7118	.0584	-.0649	-.0001	-.0006	-.0061
1746	.165	1919	5.92	-.00	100138	.8399	.0356	-.0208	-.0004	-.0004	-.0032
1747	.165	1916	7.92	-.00	100138	.9393	.0248	.0251	-.0012	-.0006	-.0044
1748	.165	1916	9.99	-.00	100138	1.0438	.0219	.0679	-.0016	-.0004	-.0032
1749	.165	1916	12.10	-.00	100138	1.1408	.0237	.1146	-.0009	-.0002	-.0034
1750	.166	1922	14.17	-.00	100132	1.2291	.0324	.1613	-.0005	-.0000	-.0025
1751	.165	1919	16.17	.00	100135	1.3037	.0581	.1905	-.0012	-.0007	-.0077
1752	.166	1935	18.19	-.00	100115	1.4410	.0638	.2230	-.0011	-.0003	-.0012
1753	.165	1912	20.18	-.00	100138	1.5622	.0594	.2723	-.0005	-.0002	-.0007
1754	.166	1922	21.77	-.00	100125	1.6603	.0541	.3149	.0002	.0002	-.0023
1755	.166	1922	.04	-.00	100125	.4672	.0742	-.1383	-.0006	-.0002	-.0042

TEST		995		RUN		107			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1741	.0307	0.0000	.9756	24.0219	0.0000	0.0000	0.0000	.0235	.0077
1742	-1.8321	0.0000	.9755	24.0218	0.0000	0.0000	0.0000	.0236	.0079
1743	.0359	0.0000	.9762	24.0227	0.0000	0.0000	0.0000	.0229	.0077
1744	1.9598	0.0000	.9763	24.0229	0.0000	0.0000	0.0000	.0229	.0075
1745	3.9104	0.0000	.9755	24.0218	0.0000	0.0000	0.0000	.0238	.0073
1746	5.9161	0.0000	.9767	24.0234	0.0000	0.0000	0.0000	.0226	.0071
1747	7.9194	0.0000	.9775	24.0245	0.0000	0.0000	0.0000	.0217	.0069
1748	9.9920	0.0000	.9771	24.0240	0.0000	0.0000	0.0000	.0219	.0070
1749	12.0956	0.0000	.9767	24.0234	0.0000	0.0000	0.0000	.0222	.0069
1750	14.1679	0.0000	.9754	24.0217	0.0000	0.0000	0.0000	.0231	.0068
1751	16.1656	0.0000	.9690	24.0130	0.0000	0.0000	0.0000	.0290	.0084
1752	18.1930	0.0000	.9656	24.0085	0.0000	0.0000	0.0000	.0315	.0092
1753	20.1841	0.0000	.9650	24.0076	0.0000	0.0000	0.0000	.0321	.0095
1754	21.7722	0.0000	.9643	24.0067	0.0000	0.0000	0.0000	.0322	.0098
1755	.0355	0.0000	.9769	24.0237	0.0000	0.0000	0.0000	.0224	.0074

TEST 995											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1741	.0307	.4629	.0691	-.1396	.4629	.0379	-.1396	.4629	.0614	-.1396	1.0000
1742	-1.8321	.3421	.0628	-.1766	.3421	.0313	-.1766	.3421	.0549	-.1766	1.0000
1743	.0359	.4732	.0709	-.1418	.4732	.0403	-.1418	.4732	.0632	-.1418	1.0000
1744	1.9598	.5785	.0828	-.1009	.5785	.0523	-.1009	.5785	.0753	-.1009	1.0000
1745	3.9104	.7067	.0988	-.0649	.7067	.0677	-.0649	.7067	.0915	-.0649	1.0000
1746	5.9161	.8318	.1220	-.0208	.8318	.0924	-.0208	.8318	.1149	-.0208	1.0000
1747	7.9194	.9269	.1540	.0251	.9269	.1254	.0251	.9269	.1471	.0251	1.0000
1748	9.9920	1.0242	.2026	.0679	1.0242	.1737	.0679	1.0242	.1957	.0679	1.0000
1749	12.0956	1.1106	.2622	.1146	1.1106	.2331	.1146	1.1106	.2553	.1146	1.0000
1750	14.1679	1.1838	.3323	.1613	1.1838	.3023	.1613	1.1838	.3255	.1613	1.0000
1751	16.1656	1.2360	.4188	.1905	1.2360	.3814	.1905	1.2360	.4103	.1905	1.0000
1752	18.1930	1.3491	.5105	.2230	1.3491	.4698	.2230	1.3491	.5013	.2230	1.0000
1753	20.1841	1.4457	.5948	.2723	1.4457	.5532	.2723	1.4457	.5853	.2723	1.0000
1754	21.7722	1.5218	.6661	.3149	1.5218	.6241	.3149	1.5218	.6563	.3149	1.0000
1755	.0355	.4671	.0745	-.1383	.4671	.0446	-.1383	.4671	.0671	-.1383	1.0000

NASA LANGLEY											
TEST 995				RUN 7 X 10 HIGH SPEED TUNNEL 108							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,8	CYM,8	CSF
1756	.166	1922	.04	-.00	100121	.4627	.0722	-.1381	-.0016	-.0002	-.0062
1757	.166	1929	.04	-.00	100118	.4611	.0720	-.1383	-.0017	-.0003	-.0050
1758	.166	1935	.07	.00	100111	1.3101	-1.5767	-.6517	-.0020	.0015	-.0259
1759	.166	1935	-1.80	.00	100111	1.1926	-1.5817	-.6886	-.0016	.0019	-.0246
1760	.167	1949	.11	.00	100098	1.3158	-1.5827	-.6558	-.0019	.0016	-.0188
1761	.167	1949	2.00	.00	100098	1.4495	-1.6021	-.6261	-.0018	.0013	-.0209
1762	.167	1955	3.94	.00	100091	1.5869	-1.6162	-.5945	.0015	.0007	-.0185
1763	.166	1922	5.93	-.00	100125	1.7640	-1.6600	-.5704	.0000	-.0010	.0070
1764	.166	1932	7.95	.00	100115	1.8699	-1.6610	-.5239	-.0018	.0007	-.0163
1765	.165	1916	10.02	.00	100132	1.9699	-1.6775	-.4883	.0000	.0010	-.0183
1766	.164	1886	12.14	.00	100162	2.0634	-1.7067	-.4526	-.0026	.0011	-.0165
1767	.165	1916	14.24	.00	100132	2.1446	-1.6770	-.4091	-.0024	.0006	-.0178
1768	.166	1925	16.20	.00	100121	2.2598	-1.6628	-.3840	-.0024	.0009	-.0159
1769	.165	1916	18.23	.00	100132	2.4124	-1.6729	-.3462	-.0024	.0007	-.0153
1770	.166	1925	20.19	.00	100121	2.5576	-1.6675	-.3000	-.0012	.0007	-.0160
1771	.166	1939	21.65	.00	100105	2.6727	-1.6633	-.2671	-.0005	.0007	-.0156
1772	.165	1916	.10	.00	100132	1.3411	-1.6598	-.6857	-.0023	.0012	-.0202
1773	.165	1919	.04	-.00	100125	.4667	.0441	-.1437	-.0011	-.0004	-.0029

TEST 895									
RUN 108									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1756	.0352	0.0000	.9769	24.0237	0.0000	0.0000	0.0000	.0224	.0076
1757	.0351	0.0000	.9769	24.0236	0.0000	0.0000	0.0000	.0224	.0076
1758	.0745	24.9423	2.8452	23.0286	1.7859	1.8860	0.0000	-1.7794	.0143
1759	-1.7998	29.0728	2.8582	22.9000	1.7979	1.8181	0.0000	-1.7911	.0144
1760	.1122	29.1507	2.8655	22.8284	1.7931	1.8132	0.0000	-1.7865	.0142
1761	2.0048	29.2944	2.8804	22.6813	1.8863	1.8266	0.0000	-1.7997	.0141
1762	3.9396	29.3573	2.8822	22.6629	1.8858	1.8261	0.0000	-1.7921	.0138
1763	5.9257	29.3747	2.8879	22.6069	1.8385	1.8592	0.0000	-1.8236	.0140
1764	7.9518	29.3953	2.8867	22.6187	1.8311	1.8517	0.0000	-1.8051	.0143
1765	10.0223	29.4360	2.8944	22.5426	1.8515	1.8723	0.0000	-1.8180	.0152
1766	12.1392	29.4781	2.8953	22.5343	1.8828	1.9039	0.0000	-1.8347	.0165
1767	14.2388	29.5321	2.8972	22.5156	1.8577	1.8786	0.0000	-1.7920	.0191
1768	16.2037	29.5624	2.9052	22.4358	1.8513	1.8721	0.0000	-1.7736	.0214
1769	18.2318	29.5934	2.9100	22.3891	1.8647	1.8857	0.0000	-1.7678	.0239
1770	20.1905	29.6175	2.9075	22.4136	1.8564	1.8773	0.0000	-1.7355	.0263
1771	21.6543	29.6300	2.9097	22.3919	1.8458	1.8658	0.0000	-1.7086	.0275
1772	.1001	29.7141	2.9167	22.3226	1.8748	1.8958	0.0000	-1.8678	.0141
1773	.0353	0.0000	.9747	24.0207	0.0000	0.0000	0.0000	.0246	.0077

TEST 995											
RUN 108											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1756	.0352	.4626	.0725	-.1381	.4626	.0425	-.1381	.4626	.0649	-.1381	1.0000
1757	.0351	.4610	.0723	-.1383	.4610	.0423	-.1383	.4610	.0647	-.1383	1.0000
1758	.0745	1.3121	-1.5750	-.6517	1.3098	.1967	-.4502	1.3121	-1.5833	-.6511	1.0000
1759	-1.7998	1.1423	-1.6184	-.6886	1.1388	.1642	-.4858	1.1429	-1.6149	-.6866	1.0000
1760	.1122	1.3189	-1.5801	-.6550	1.3154	.1988	-.4527	1.3189	-1.5812	-.6535	1.0000
1761	2.0048	1.5047	-1.5504	-.6261	1.4415	.2408	-.4224	1.5038	-1.5381	-.6232	1.0000
1762	3.9396	1.6942	-1.5034	-.5945	1.5702	.2843	-.3907	1.6925	-1.4915	-.5915	1.0000
1763	5.9257	1.9259	-1.4690	-.5704	1.7361	.3457	-.3630	1.9199	-1.4248	-.5638	1.0000
1764	7.9518	2.0817	-1.3864	-.5239	1.8284	.4128	-.3173	2.0746	-1.3501	-.5181	1.0000
1765	10.0223	2.2318	-1.3090	-.4883	1.9095	.4990	-.2794	2.2193	-1.2538	-.4803	1.0000
1766	12.1392	2.3761	-1.2346	-.4526	1.9882	.5895	-.2482	2.3545	-1.1507	-.4410	1.0000
1767	14.2388	2.4912	-1.0979	-.4091	2.0343	.6836	-.1995	2.4721	-1.0417	-.4004	1.0000
1768	16.2037	2.6340	-.9661	-.3840	2.1174	.7903	-.1752	2.6141	-.9190	-.3760	1.0000
1769	18.2318	2.8147	-.8341	-.3462	2.2313	.9131	-.1359	2.7882	-.7775	-.3367	1.0000
1770	20.1905	2.9760	-.6823	-.3000	2.3353	1.0337	-.0906	2.9496	-.6369	-.2914	1.0000
1771	21.6543	3.0979	-.5597	-.2671	2.4171	1.1276	-.0589	3.0739	-.5267	-.2597	1.0000
1772	.1001	1.3440	-1.6575	-.6857	1.3408	.2832	-.4742	1.3439	-1.5768	-.6750	1.0000
1773	.0353	.4667	.0444	-.1437	.4667	.0122	-.1437	.4667	.0367	-.1437	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 109									
POINT	MACH	O N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1776	.167	1945	.03	-.00	100081	.4135	.0610	-.1252	-.0011	.0001	-.0014
1777	.166	1922	-1.87	-.00	100104	.2814	.0649	-.1591	-.0020	.0002	-.0056
1778	.166	1925	.04	-.00	100101	.4133	.0612	-.1236	-.0012	.0001	-.0025
1779	.166	1925	1.93	-.00	100101	.5345	.0544	-.0905	-.0014	.0000	-.0009
1780	.168	1975	3.89	-.00	100051	.6598	.0456	-.0515	-.0007	-.0004	-.0021
1781	.166	1942	5.88	-.00	100084	.7910	.0286	-.0086	-.0012	-.0001	-.0025
1782	.166	1925	7.92	-.00	100101	.9011	.0177	.0376	-.0017	-.0005	-.0016
1783	.165	1912	10.01	-.00	100115	1.0044	.0118	.0787	-.0021	-.0004	-.0028
1784	.166	1929	12.08	-.00	100098	1.0985	.0140	.1263	-.0014	-.0003	-.0007
1785	.166	1925	14.16	-.00	100101	1.1905	.0221	.1754	-.0009	.0001	-.0008
1786	.166	1922	16.16	-.00	100104	1.2727	.0466	.2088	-.0002	-.0007	.0014
1787	.166	1929	18.13	-.00	100098	1.4174	.0552	.2290	-.0018	-.0003	.0003
1788	.166	1939	20.17	-.00	100081	1.5509	.0492	.2747	-.0007	-.0003	.0030
1789	.164	1882	21.78	-.00	100138	1.6562	.0451	.3152	-.0003	.0003	.0049
1790	.167	1952	.04	-.00	100064	.4121	.0659	-.1240	-.0010	.0013	.0127

TEST	995	RUN				109				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
1776	.0306	0.0000	.9769	22.2000	0.0000	0.0000	0.0000	.0222	.0076	
1777	-1.8695	0.0000	.9781	22.2000	0.0000	0.0000	0.0000	.0213	.0077	
1778	.0420	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0211	.0075	
1779	1.9314	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0211	.0074	
1780	3.8918	0.0000	.9770	22.2000	0.0000	0.0000	0.0000	.0217	.0073	
1781	5.8838	0.0000	.9769	22.2000	0.0000	0.0000	0.0000	.0221	.0071	
1782	7.9186	0.0000	.9793	22.2000	0.0000	0.0000	0.0000	.0198	.0069	
1783	10.0121	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0201	.0069	
1784	12.0773	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0198	.0069	
1785	14.1602	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0207	.0068	
1786	16.1579	0.0000	.9711	22.2000	0.0000	0.0000	0.0000	.0270	.0083	
1787	18.1280	0.0000	.9675	22.2000	0.0000	0.0000	0.0000	.0299	.0093	
1788	20.1675	0.0000	.9666	22.2000	0.0000	0.0000	0.0000	.0302	.0094	
1789	21.7759	0.0000	.9670	22.2000	0.0000	0.0000	0.0000	.0304	.0098	
1790	.0398	0.0000	.9800	22.2000	0.0000	0.0000	0.0000	.0191	.0074	

TEST	995	RUN 109									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1776	.0306	.4135	.6612	-.1252	.4135	.0313	-.1252	.4135	.0535	-.1252	1.0000
1777	-1.8695	.2834	.0557	-.1591	.2834	.0266	-.1591	.2834	.0479	-.1591	1.0000
1778	.0420	.4132	.0615	-.1236	.4132	.0320	-.1236	.4132	.0540	-.1236	1.0000
1779	1.9314	.5324	.0724	-.0905	.5324	.0438	-.0905	.5324	.0649	-.0905	1.0000
1780	3.8918	.6544	.0902	-.0515	.6544	.0613	-.0515	.6544	.0829	-.0515	1.0000
1781	5.8838	.7839	.1095	-.0086	.7839	.0804	-.0086	.7839	.1025	-.0086	1.0000
1782	7.9186	.8901	.1417	.0376	.8901	.1149	.0376	.8901	.1348	.0376	1.0000
1783	10.0121	.9870	.1862	.0787	.9870	.1592	.0787	.9870	.1793	.0787	1.0000
1784	12.0773	1.0713	.2435	.1263	1.0713	.2168	.1263	1.0713	.2366	.1263	1.0000
1785	14.1602	1.1489	.3126	.1754	1.1489	.2852	.1754	1.1489	.3059	.1754	1.0000
1786	16.1579	1.2095	.3989	.2000	1.2095	.3636	.2000	1.2095	.3906	.2000	1.0000
1787	18.1280	1.3299	.4935	.2290	1.3299	.4544	.2290	1.3299	.4843	.2290	1.0000
1788	20.1675	1.4388	.5809	.2747	1.4388	.5413	.2747	1.4388	.5715	.2747	1.0000
1789	21.7759	1.5213	.6563	.3152	1.5213	.6161	.3152	1.5213	.6464	.3152	1.0000
1790	.0398	.4120	.0662	-.1240	.4120	.0397	-.1240	.4120	.0589	-.1240	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	0 N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,8	CYM,8	CSF
1791	.166	1929	.01	-.00	100077	.4067	.0638	-.1217	-.0016	-.0002	-.0036
1792	.167	1942	.05	.00	100067	1.1991	-1.6895	-.6239	-.0019	-.0017	-.0175
1793	.165	1919	-1.82	.00	100088	1.0730	-1.7084	-.6616	-.0028	.0020	-.0218
1794	.166	1922	.09	.00	100088	1.2104	-1.7133	-.6302	-.0023	.0017	-.0198
1795	.167	1962	1.99	.00	100058	1.2681	-1.5972	-.5432	-.0013	.0013	-.0187
1796	.166	1939	3.96	.00	100081	1.4524	-1.6846	-.5398	-.0011	.0009	-.0186
1797	.168	1975	5.94	.00	100044	1.5955	-1.6827	-.5038	-.0011	.0006	-.0169
1798	.166	1939	7.98	.00	100081	1.7298	-1.7253	-.4700	-.0019	.0010	-.0182
1799	.166	1929	10.04	.00	100091	1.8360	-1.7384	-.4366	-.0014	.0013	-.0163
1800	.166	1939	12.13	.00	100078	1.9296	-1.7296	-.3942	-.0015	.0014	-.0174
1801	.165	1916	14.20	.00	100098	2.0376	-1.7418	-.3629	-.0021	.0010	-.0189
1802	.166	1929	16.19	.00	100084	2.1587	-1.7221	-.3437	-.0024	.0015	-.0169
1803	.167	1945	18.20	.00	100064	2.3049	-1.7097	-.3038	-.0023	.0017	-.0137
1804	.165	1916	20.28	.00	100094	2.4732	-1.7414	-.2731	-.0009	.0008	-.0246
1805	.166	1929	21.89	.00	100077	2.6219	-1.7359	-.2345	-.0009	.0014	-.0185
1806	.166	1929	.07	.00	100074	1.2097	-1.7110	-.6273	-.0023	.0016	-.0186
1807	.167	1955	.02	-.00	100044	.3770	.0297	-.1184	-.0004	.0001	-.0013
1808	.166	1932	.01	-.00	100071	.3814	.0325	-.1208	-.0008	-.0001	-.0036

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA, T DEG	CT	CMU, N	CMU, J	CD, N	CD, C		
1791	.0093	0.0000	.9806	22.2000	0.0000	0.0000	0.0000	.0188	.0075		
1792	.0486	30.0777	2.9414	19.3513	1.8787	1.8917	0.0000	-1.8650	.0149		
1793	-1.8222	30.0850	2.9444	19.3287	1.8964	1.9177	0.0000	-1.8898	.0151		
1794	.0903	30.0854	2.9467	19.3115	1.8934	1.9146	0.0000	-1.8897	.0150		
1795	1.9933	28.8153	2.8325	20.1753	1.7498	1.7695	0.0000	-1.7414	.0152		
1796	3.9557	29.5284	2.8939	19.7108	1.8386	1.8512	0.0000	-1.8184	.0148		
1797	5.9372	29.7351	2.9175	19.5324	1.8180	1.8384	0.0000	-1.8011	.0145		
1798	7.9760	29.7378	2.9161	19.5430	1.8501	1.8709	0.0000	-1.8262	.0149		
1799	10.0379	29.8017	2.9213	19.5037	1.8652	1.8862	0.0000	-1.8303	.0157		
1800	12.1302	29.7966	2.9221	19.4971	1.8559	1.8767	0.0000	-1.8085	.0169		
1801	14.1962	29.8277	2.9270	19.4681	1.8824	1.9036	0.0000	-1.8200	.0199		
1802	16.1909	29.8618	2.9317	19.4244	1.8742	1.8953	0.0000	-1.7946	.0227		
1803	18.2045	29.8741	2.9355	19.3960	1.8614	1.8823	0.0000	-1.7632	.0248		
1804	20.1970	29.9088	2.9373	19.3823	1.8922	1.9135	0.0000	-1.7712	.0275		
1805	21.8856	29.9360	2.9395	19.3658	1.8811	1.9022	0.0000	-1.7409	.0288		
1806	.0697	29.9743	2.9387	19.3715	1.8838	1.9050	0.0000	-1.8753	.0148		
1807	.0195	.5901	.9797	22.2000	0.0000	0.0000	0.0000	.0194	.0075		
1808	.0148	.4498	.9778	22.2000	0.0000	0.0000	0.0000	.0214	.0074		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
1791	.0093	.4067	.0639	-.1217	.4067	.0376	-.1217	.4067	.0564	-.1217	1.0000
1792	.0486	1.2005	-1.6885	-.6239	1.1989	.1673	-.4128	1.2004	-1.6127	-.6136	1.0000
1793	-1.8222	1.0181	-1.7416	-.6616	1.0784	.1386	-.4476	1.0218	-1.6405	-.6484	1.0000
1794	.0903	1.2131	-1.7114	-.6302	1.2181	.1670	-.4166	1.2129	-1.6130	-.6174	1.0000
1795	1.9933	1.3229	-1.5521	-.5432	1.2620	.1815	-.3458	1.3240	-1.5974	-.5466	1.0000
1796	3.9557	1.5652	-1.5804	-.5398	1.4389	.2311	-.3332	1.5617	-1.5447	-.5341	1.0000
1797	5.9372	1.7610	-1.5086	-.5038	1.5729	.2851	-.2987	1.7570	-1.4853	-.4995	1.0000
1798	7.9760	1.9525	-1.4686	-.4700	1.6958	.3487	-.2613	1.9428	-1.4141	-.4621	1.0000
1799	10.0379	2.1109	-1.3918	-.4366	1.7858	.4292	-.2262	2.0960	-1.3236	-.4270	1.0000
1800	12.1302	2.2500	-1.2855	-.3942	1.8600	.5121	-.1848	2.2341	-1.2282	-.3856	1.0000
1801	14.1962	2.4025	-1.1889	-.3629	1.9409	.6161	-.1505	2.3774	-1.1095	-.3513	1.0000
1802	16.1909	2.5533	-1.0518	-.3437	2.0307	.7254	-.1323	2.5270	-.9840	-.3331	1.0000
1803	18.2045	2.7236	-.9040	-.3038	2.1421	.8393	-.0938	2.6982	-.8516	-.2946	1.0000
1804	20.1970	2.9223	-.7804	-.2731	2.2690	.9679	-.0596	2.8836	-.7026	-.2604	1.0000
1805	21.8856	3.0800	-.6335	-.2345	2.3788	1.0832	-.0223	3.0423	-.5686	-.2231	1.0000
1806	.0697	1.2118	-1.7095	-.6273	1.2095	.1595	-.4148	1.2117	-1.6205	-.6156	1.0000
1807	.0195	.3770	.0298	-.1184	.3770	.0029	-.1184	.3770	.0223	-.1184	1.0000
1808	.0148	.3814	.0325	-.1208	.3814	.0037	-.1208	.3814	.0251	-.1208	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		109					
POINT	MACH	O N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1776	.167	1945	.03	-.00	100081	.4135	.0610	-.1252	-.0011	.0001	-.0014
1777	.166	1922	-1.87	-.00	100104	.2814	.0649	-.1591	-.0020	.0002	-.0056
1778	.166	1925	.04	-.00	100101	.4133	.0612	-.1236	-.0012	.0001	-.0025
1779	.166	1925	1.93	-.00	100101	.5345	.0544	-.0905	-.0014	.0000	-.0009
1780	.168	1975	3.89	-.00	100051	.6590	.0456	-.0515	-.0007	-.0004	-.0021
1781	.166	1942	5.88	-.00	100084	.7910	.0286	-.0086	-.0012	-.0001	-.0025
1782	.166	1925	7.92	-.00	100101	.9011	.0177	.0376	-.0017	-.0005	-.0016
1783	.165	1912	10.01	-.00	100115	1.0044	.0118	.0787	-.0021	-.0004	-.0028
1784	.166	1929	12.08	-.00	100098	1.0985	.0140	.1263	-.0014	-.0003	-.0007
1785	.166	1925	14.16	-.00	100101	1.1905	.0221	.1754	-.0009	.0001	-.0008
1786	.166	1922	16.16	-.00	100104	1.2727	.0466	.2888	-.0022	-.0007	.0014
1787	.166	1929	18.13	-.00	100094	1.4174	.0552	.2290	-.0018	-.0003	.0003
1788	.166	1939	20.17	-.00	100081	1.5509	.0492	.2747	-.0007	-.0003	.0030
1789	.164	1882	21.78	-.00	100138	1.6562	.0451	.3152	-.0003	.0003	.0049
1790	.167	1952	.04	-.00	100064	.4121	.0659	-.1240	-.0010	.0013	.0127

TEST		995		RUN		109					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1776	.0306	0.0000	.9769	22.2000	0.0000	0.0000	0.0000	.0222	.0076		
1777	-1.8695	0.0000	.9781	22.2000	0.0000	0.0000	0.0000	.0213	.0077		
1778	.0420	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0211	.0075		
1779	1.9314	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0217	.0073		
1780	3.8918	0.0000	.9770	22.2000	0.0000	0.0000	0.0000	.0221	.0071		
1781	5.8838	0.0000	.9769	22.2000	0.0000	0.0000	0.0000	.0198	.0069		
1782	7.9186	0.0000	.9793	22.2000	0.0000	0.0000	0.0000	.0201	.0069		
1783	10.0121	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0198	.0068		
1784	12.0773	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0207	.0083		
1785	14.1602	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0270	.0093		
1786	16.1579	0.0000	.9711	22.2000	0.0000	0.0000	0.0000	.0299	.0094		
1787	18.1280	0.0000	.9675	22.2000	0.0000	0.0000	0.0000	.0302	.0098		
1788	20.1675	0.0000	.9666	22.2000	0.0000	0.0000	0.0000	.0304	.0074		
1789	21.7759	0.0000	.9670	22.2000	0.0000	0.0000	0.0000	.0191			
1790	.0398	0.0000	.9800	22.2000	0.0000	0.0000	0.0000				

TEST		995		RUN		109					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1776	.0306	.4135	.0612	-.1252	.4135	.0313	-.1252	.4135	.0535	-.1252	1.0000
1777	-1.8695	.2834	.0557	-.1591	.2834	.0266	-.1591	.2834	.0479	-.1591	1.0000
1778	.0420	.4132	.0615	-.1236	.4132	.0328	-.1236	.4132	.0540	-.1236	1.0000
1779	1.9314	.5324	.0724	-.0905	.5324	.0436	-.0905	.5324	.0649	-.0905	1.0000
1780	3.8918	.6544	.0902	-.0515	.6544	.0613	-.0515	.6544	.0829	-.0515	1.0000
1781	5.8838	.7839	.1095	-.0086	.7839	.0804	-.0086	.7839	.1025	-.0086	1.0000
1782	7.9186	.8901	.1417	.0376	.8901	.1149	.0376	.8901	.1348	.0376	1.0000
1783	10.0121	.9870	.1862	.0787	.9870	.1592	.0787	.9870	.1793	.0787	1.0000
1784	12.0773	1.0713	.2435	.1263	1.0713	.2168	.1263	1.0713	.2366	.1263	1.0000
1785	14.1602	1.1489	.3126	.1754	1.1489	.2852	.1754	1.1489	.3059	.1754	1.0000
1786	16.1579	1.2095	.3989	.2000	1.2095	.3636	.2000	1.2095	.3906	.2000	1.0000
1787	18.1280	1.3299	.4935	.2290	1.3299	.4544	.2290	1.3299	.4843	.2290	1.0000
1788	20.1675	1.4388	.5809	.2747	1.4388	.5413	.2747	1.4388	.5715	.2747	1.0000
1789	21.7759	1.5213	.6563	.3152	1.5213	.6161	.3152	1.5213	.6464	.3152	1.0000
1790	.0398	.4120	.0662	-.1240	.4120	.0397	-.1240	.4120	.0589	-.1240	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MKM)	ALPHA DEG	BETA DEG	P,INF N/(MKM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1811	.166	1932	.01	-.00	100159	.3069	.0056	-.1220	-.0012	.0001	-.0025
1812	.165	1899	-1.86	-.00	100192	.1506	.1019	-.1432	-.0017	.0004	-.0044
1813	.167	1949	1.93	-.00	100142	.4631	.0727	-.0985	-.0019	.0001	.0002
1814	.166	1935	3.89	-.00	100155	.6064	.0541	-.0711	-.0019	.0001	.0004
1815	.166	1932	5.91	-.00	100159	.7344	.0272	-.0308	-.0014	-.0002	-.0017
1816	.169	1995	7.93	-.00	100092	.8395	-.0008	.0130	-.0016	-.0003	-.0019
1817	.166	1939	10.00	-.00	100152	.9542	-.0314	.0584	-.0023	-.0006	-.0017
1818	.168	1982	12.10	-.00	100109	1.0600	-.0642	.1055	-.0028	-.0009	-.0015
1819	.167	1955	14.17	-.00	100129	1.1784	-.0965	.1575	-.0029	-.0014	-.0003
1820	.165	1909	16.18	-.00	100175	1.2989	-.1273	.2119	-.0016	-.0009	-.0007
1821	.165	1912	18.19	-.00	100172	1.4157	-.1238	.2568	.0010	-.0004	-.0031
1822	.165	1916	20.17	-.00	100169	1.5015	-.1013	.3040	-.0010	-.0011	.0052
1823	.165	1912	21.85	-.00	100172	1.5502	-.0731	.3427	-.0019	-.0009	-.0044
1824	.167	1952	.05	-.00	100132	.3108	.0906	-.1217	-.0007	-.0002	-.0051

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1811	.0138	0.0000	.9787	22.2000	0.0000	0.0000	0.0000	.0206	.0074		
1812	-1.8635	0.0000	.9799	22.2000	0.0000	0.0000	0.0000	.0197	.0076		
1813	1.9312	0.0000	.9784	22.2000	0.0000	0.0000	0.0000	.0207	.0071		
1814	3.8916	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0201	.0072		
1815	5.9051	0.0000	.9799	22.2000	0.0000	0.0000	0.0000	.0193	.0069		
1816	7.9292	0.0000	.9800	22.2000	0.0000	0.0000	0.0000	.0185	.0064		
1817	10.0030	0.0000	.9823	22.2000	0.0000	0.0000	0.0000	.0168	.0066		
1818	12.0976	0.0000	.9819	22.2000	0.0000	0.0000	0.0000	.0167	.0067		
1819	14.1749	0.0000	.9814	22.2000	0.0000	0.0000	0.0000	.0172	.0069		
1820	16.1768	0.0000	.9818	22.2000	0.0000	0.0000	0.0000	.0171	.0075		
1821	18.1886	0.0000	.9805	22.2000	0.0000	0.0000	0.0000	.0181	.0077		
1822	20.1672	0.0000	.9793	22.2000	0.0000	0.0000	0.0000	.0190	.0071		
1823	21.8487	0.0000	.9747	22.2000	0.0000	0.0000	0.0000	.0229	.0068		
1824	.0467	0.0000	.9819	22.2000	0.0000	0.0000	0.0000	.0173	.0076		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1811	.0138	.3069	.0857	-.1220	.3069	.0576	-.1220	.3069	.0783	-.1220	1.0000
1812	-1.8635	.1538	.0970	-.1432	.1538	.0696	-.1432	.1538	.0893	-.1432	1.0000
1813	1.9312	.4604	.0882	-.0985	.4604	.0604	-.0985	.4604	.0811	-.0985	1.0000
1814	3.8916	.6013	.0951	-.0711	.6013	.0678	-.0711	.6013	.0879	-.0711	1.0000
1815	5.9051	.7277	.1026	-.0308	.7277	.0764	-.0308	.7277	.0957	-.0308	1.0000
1816	7.9292	.8316	.1151	.0130	.8316	.0901	.0130	.8316	.1086	.0130	1.0000
1817	10.0030	.9451	.1349	.0584	.9451	.1115	.0584	.9451	.1283	.0584	1.0000
1818	12.0976	1.0499	.1594	.1055	1.0499	.1360	.1055	1.0499	.1527	.1055	1.0000
1819	14.1749	1.1662	.1950	.1575	1.1662	.1709	.1575	1.1662	.1881	.1575	1.0000
1820	16.1768	1.2829	.2396	.2119	1.2829	.2150	.2119	1.2829	.2321	.2119	1.0000
1821	18.1886	1.3836	.3243	.2568	1.3836	.2985	.2568	1.3836	.3166	.2568	1.0000
1822	20.1672	1.4443	.4226	.3040	1.4443	.3965	.3040	1.4443	.4155	.3040	1.0000
1823	21.8487	1.4660	.5090	.3427	1.4660	.4793	.3427	1.4660	.5023	.3427	1.0000
1824	.0467	.3107	.0908	-.1217	.3107	.0660	-.1217	.3107	.0833	-.1217	1.0000

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST	995	RUN 112									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1825	.166	1929	.02	-.00	100162	.2961	.0851	-.1181	-.0004	-.0019	.0186
1826	.167	1955	.05	.00	100139	1.0308	-1.5664	-.5737	-.0024	.0024	-.0297
1827	.166	1935	-1.83	.00	100155	.0782	-1.5712	-.5972	-.0014	.0023	-.0290
1828	.166	1942	.04	.00	100149	1.0451	-1.5868	-.5783	-.0024	.0011	-.0154
1829	.165	1919	1.99	.00	100162	1.2232	-1.6247	-.5688	-.0016	.0014	-.0238
1830	.166	1932	3.95	.00	100162	1.3726	-1.6406	-.5414	-.0019	.0007	-.0213
1831	.167	1955	5.93	.00	100135	1.5103	-1.6451	-.5030	-.0006	.0013	-.0209
1832	.166	1935	7.96	.00	100155	1.6499	-1.6915	-.4734	-.0007	.0014	-.0203
1833	.166	1935	10.01	.00	100155	1.7780	-1.7307	-.4356	-.0017	.0010	-.0201
1834	.166	1929	12.09	.00	100162	1.8953	-1.7720	-.3983	-.0031	.0003	-.0186
1835	.167	1949	14.23	.00	100142	2.0219	-1.7932	-.3335	-.0005	.0002	-.0180
1836	.165	1916	16.22	.00	100176	2.1549	-1.8515	-.2891	-.0022	.0003	-.0224
1837	.166	1922	18.20	.00	100169	2.2317	-1.8232	-.2365	.0026	.0013	-.0193
1838	.166	1935	20.22	.00	100155	2.3532	-1.7911	-.2185	-.0001	.0021	-.0200
1839	.166	1932	21.89	.00	100159	2.4756	-1.7690	-.2086	-.0011	.0021	-.0207
1840	.166	1929	.07	.00	100162	1.0720	-1.6307	-.6025	-.0021	.0014	-.0224
1841	.167	1945	.02	-.00	100145	.2612	.0554	-.1121	-.0005	-.0000	-.0024

TEST				995		RUN		112			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1825	.0179	.0852	.9821	22.2000	0.0000	0.0000	0.0000	.0173	.0075		
1826	.0464	29.0692	2.8194	20.2825	1.7648	1.7846	0.0000	-1.7362	.0152		
1827	-1.8316	29.0814	2.8236	20.2430	1.7655	1.8055	0.0000	-1.7584	.0154		
1828	.0840	29.0934	2.8267	20.2198	1.7833	1.8033	0.0000	-1.7562	.0153		
1829	1.9851	29.1111	2.8285	20.2056	1.8065	1.8268	0.0000	-1.7783	.0152		
1830	3.9519	29.1732	2.8351	20.1561	1.8017	1.8220	0.0000	-1.7693	.0149		
1831	5.9278	29.1636	2.8365	20.1454	1.7798	1.7998	0.0000	-1.7441	.0147		
1832	7.9605	29.1991	2.8403	20.1166	1.8016	1.8218	0.0000	-1.7583	.0146		
1833	10.0134	29.2709	2.8522	20.0261	1.8106	1.8309	0.0000	-1.7598	.0144		
1834	12.0948	29.3047	2.8521	20.0273	1.8185	1.8389	0.0000	-1.7533	.0146		
1835	14.2330	29.3365	2.8551	20.0847	1.8031	1.8233	0.0000	-1.7228	.0155		
1836	16.2224	29.3511	2.8590	19.9748	1.8379	1.8585	0.0000	-1.7403	.0171		
1837	18.2049	29.3676	2.8585	19.9791	1.8308	1.8513	0.0000	-1.7152	.0202		
1838	20.2156	29.4006	2.8633	19.9424	1.8241	1.8446	0.0000	-1.6869	.0244		
1839	21.8903	29.4138	2.8642	19.9356	1.8259	1.8464	0.0000	-1.6717	.0289		
1840	.0728	29.4636	2.8678	19.9086	1.8352	1.8558	0.0000	-1.8083	.0151		
1841	.0185	.7741	.9792	22.2000	0.0000	0.0000	0.0000	.0199	.0074		

TEST		995			RUN			112				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM	
1825	.0179	.2960	.0851	-.1181	.2960	.0604	-.1181	.2960	.0777	-.1181	1.0000	
1826	.0464	1.0321	-1.5656	-.5737	1.0387	.1840	-.3746	1.0321	-1.5960	-.5755	1.0000	
1827	-1.8316	.8276	-1.5985	-.5972	.8846	.1706	-.3957	.8278	-1.6085	-.5966	1.0000	
1828	.0840	1.0474	-1.5852	-.5783	1.0448	.1828	-.3772	1.0474	-1.5972	-.5780	1.0000	
1829	1.9851	1.2787	-1.5814	-.5688	1.2161	.2889	-.3650	1.2778	-1.5781	-.5658	1.0000	
1830	3.9519	1.4824	-1.5421	-.5414	1.3583	.2405	-.3381	1.4809	-1.5353	-.5389	1.0000	
1831	5.9278	1.6722	-1.4803	-.5030	1.4883	.2753	-.3022	1.6722	-1.4952	-.5030	1.0000	
1832	7.9605	1.8683	-1.4467	-.4734	1.6188	.3230	-.2701	1.8653	-1.4399	-.4709	1.0000	
1833	10.0134	2.0519	-1.3952	-.4356	1.7371	.3734	-.2313	2.0466	-1.3795	-.4321	1.0000	
1834	12.0948	2.2245	-1.3356	-.3903	1.8435	.4279	-.1852	2.2164	-1.3126	-.3860	1.0000	
1835	14.2330	2.4007	-1.2411	-.3335	1.9574	.4911	-.1301	2.3951	-1.2342	-.3309	1.0000	
1836	16.2224	2.5863	-1.1758	-.2891	2.0729	.5718	-.0818	2.5702	-1.1373	-.2826	1.0000	
1837	18.2049	2.6706	-1.0409	-.2365	2.0987	.6780	-.0300	2.6548	-1.0129	-.2308	1.0000	
1838	20.2156	2.8272	-.8676	-.2185	2.1969	.8197	-.0127	2.8120	-.8507	-.2135	1.0000	
1839	21.8903	2.9566	-.7185	-.2086	2.2759	.9468	-.0026	2.9395	-.7049	-.2034	1.0000	
1840	.0728	1.0741	-1.6294	-.6025	1.0718	.1987	-.3955	1.0740	-1.5893	-.5963	1.0000	
1841	.0185	.2612	.0555	-.1121	.2612	.0282	-.1121	.2612	.0481	-.1121	1.0000	

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL 113								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1842	.166	1932	.02	-.00	100155	.3069	.8679	-.1235	-.0009	.0000	-.0038
1846	.166	1939	.00	-.00	100183	.0465	.0710	-.0397	-.0020	-.0001	-.0032
1847	.166	1935	-1.87	-.00	100189	-.0965	.0844	-.0711	-.0013	.0003	-.0067
1848	.166	1939	.07	-.00	100186	.0477	.0760	-.0387	-.0612	-.0001	-.0000
1849	.167	1945	1.95	-.00	100179	.1938	.0579	-.0134	-.0013	.0001	-.0043
1850	.166	1932	3.89	-.00	100193	.3446	.0415	.0147	-.0021	-.0002	-.0039
1851	.165	1919	5.90	-.00	100206	.4853	.0157	.0478	-.0028	-.0008	-.0023
1852	.166	1932	7.92	-.00	100193	.6082	-.0113	.0875	-.0018	-.0003	-.0005
1853	.166	1932	9.96	-.00	100189	.7324	-.0371	.1237	-.0013	-.0003	.0003
1854	.166	1932	12.07	-.00	100189	.8628	-.0685	.1671	-.0023	-.0005	.0029
1855	.166	1932	14.16	-.00	100189	.9783	-.0984	.2149	-.0033	-.0012	.0055
1856	.166	1922	16.13	-.00	100196	1.1056	-.1257	.2621	-.0039	-.0010	.0033
1857	.167	1945	18.16	-.00	100172	1.2215	-.1493	.3135	-.0008	-.0010	.0032
1858	.165	1899	20.14	-.00	100219	1.3371	-.1446	.3591	-.0008	-.0006	.0040
1859	.165	1912	21.83	-.00	100206	1.4012	-.1228	.3935	-.0020	-.0003	.0051
1860	.166	1925	.02	.00	100189	.0469	.0783	-.0392	-.0018	-.0007	-.0081

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL 113								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1842	.0162	0.0000	.9763	4.4574	0.0000	0.0000	0.0000	.0229	.0075		
1846	.0032	0.0000	.9823	4.4681	0.0000	0.0000	0.0000	.0171	.0074		
1847	-1.8654	0.0000	.9833	4.4700	0.0000	0.0000	0.0000	.0161	.0074		
1848	.0657	0.0000	.9840	4.4713	0.0000	0.0000	0.0000	.0154	.0073		
1849	1.9489	0.0000	.9840	4.4712	0.0000	0.0000	0.0000	.0153	.0074		
1850	3.8856	0.0000	.9856	4.4741	0.0000	0.0000	0.0000	.0139	.0075		
1851	5.8970	0.0000	.9860	4.4748	0.0000	0.0000	0.0000	.0136	.0071		
1852	7.9155	0.0000	.9870	4.4766	0.0000	0.0000	0.0000	.0124	.0070		
1853	9.9589	0.0000	.9861	4.4750	0.0000	0.0000	0.0000	.0132	.0071		
1854	12.0663	0.0000	.9869	4.4764	0.0000	0.0000	0.0000	.0124	.0074		
1855	14.1639	0.0000	.9868	4.4762	0.0000	0.0000	0.0000	.0124	.0077		
1856	16.1312	0.0000	.9864	4.4756	0.0000	0.0000	0.0000	.0127	.0081		
1857	18.1556	0.0000	.9861	4.4750	0.0000	0.0000	0.0000	.0127	.0082		
1858	20.1396	0.0000	.9854	4.4737	0.0000	0.0000	0.0000	.0135	.0078		
1859	21.8252	0.0000	.9837	4.4706	0.0000	0.0000	0.0000	.0148	.0072		
1860	.0217	0.0000	.9899	4.4819	0.0000	0.0000	0.0000	.0098	.0075		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL 113								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1842	.0162	.3069	.0580	-.1235	.3069	.0376	-.1235	.3069	.0604	-.1235	1.0000
1846	.0032	.0465	.0710	-.0397	.0465	.0465	-.0397	.0465	.0076	-.0397	1.0000
1847	-1.8654	-.0937	.0875	-.0711	-.0937	.0640	-.0711	-.0937	.0801	-.0711	1.0000
1848	.0657	.0476	.0760	-.0387	.0476	.0533	-.0387	.0476	.0687	-.0387	1.0000
1849	1.9489	.1917	.0544	-.0134	.1917	.0417	-.0134	.1917	.0570	-.0134	1.0000
1850	3.8856	.3410	.0648	.0147	.3410	.0434	.0147	.3410	.0572	.0147	1.0000
1851	5.8970	.4812	.0655	.0470	.4812	.0448	.0470	.4812	.0584	.0470	1.0000
1852	7.9155	.6039	.0726	.0875	.6039	.0532	.0875	.6039	.0656	.0875	1.0000
1853	9.9589	.7278	.0902	.1237	.7278	.0699	.1237	.7278	.0831	.1237	1.0000
1854	12.0663	.8581	.1134	.1671	.8581	.0936	.1671	.8581	.1060	.1671	1.0000
1855	14.1639	.9727	.1439	.2149	.9727	.1238	.2149	.9727	.1362	.2149	1.0000
1856	16.1312	1.0970	.1864	.2621	1.0970	.1657	.2621	1.0970	.1784	.2621	1.0000
1857	18.1556	1.2072	.2388	.3135	1.2072	.2179	.3135	1.2072	.2306	.3135	1.0000
1858	20.1396	1.3051	.3247	.3591	1.3051	.3034	.3591	1.3051	.3169	.3591	1.0000
1859	21.8252	1.3465	.4070	.3935	1.3465	.3849	.3935	1.3465	.3997	.3935	1.0000
1860	.0217	.0469	.0783	-.0392	.0469	.0611	-.0392	.0469	.0709	-.0392	1.0000

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		CAF		CPH		CRM,B		CYM,B		CSF	
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CHF	CAF	CPH	CRM,B	CYM,B	CSF				
1862	.167	1945	.01	-0.00	100169	.0155	.0729	-.0291	-.0089	-.0000	-.0057				
1863	.166	1932	.02	.00	100109	.2720	-1.6366	-.2389	-.0041	-.0009	-.0108				
1864	.167	1955	-1.85	.00	100166	.1248	-1.6066	-.2657	-.0038	-.0003	-.0173				
1865	.165	1919	.06	.00	100203	.2833	-1.6554	-.2404	-.0041	-.0008	-.0119				
1866	.165	1912	1.96	.00	100209	.4353	-1.6773	-.2176	-.0041	-.0008	-.0129				
1867	.166	1925	3.92	.00	100196	.6047	-1.6870	-.1952	-.0044	-.0009	-.0138				
1868	.166	1939	5.92	.00	100183	.7684	-1.7821	-.1692	-.0043	-.0014	-.0147				
1869	.166	1925	7.94	.00	100196	.9232	-1.7418	-.1379	-.0034	-.0007	-.0154				
1870	.166	1929	10.01	.00	100193	1.0682	-1.7783	-.1069	-.0038	-.0010	-.0163				
1871	.167	1962	12.10	.00	100169	1.2051	-1.7755	-.0704	-.0044	-.0015	-.0107				
1872	.166	1932	14.16	.00	100189	1.3564	-1.8486	-.0320	-.0064	-.0028	-.0049				
1873	.166	1939	16.19	.00	100179	1.4840	-1.8678	-.0104	-.0052	-.0020	-.0131				
1874	.166	1929	18.19	.00	100169	1.6318	-1.9019	.0504	-.0043	-.0025	-.0129				
1875	.166	1932	20.18	.00	100186	1.7720	-1.8821	.0695	-.0022	-.0018	-.0119				
1876	.166	1932	21.85	.00	100189	1.9167	-1.8651	.0728	-.0044	-.0016	-.0133				
1877	.167	1965	.03	.00	100156	.2729	-1.6310	-.2410	-.0042	-.0011	-.0162				
1878	.167	1945	.01	.00	100183	-.0167	.0569	-.0231	-.0015	-.0003	-.0110				
1879	.166	1929	.00	.00	100196	.0468	.0665	-.0393	-.0017	-.0001	-.0091				

TEST	995				RUN	114			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA, T DEG	CT	CMU, N	CMU, J	CD, N	CD, C
		0.0000	.9889	4.4800	0.0000	0.0000	0.0000	.0107	.0075
1862	.0109	28.0768	2.8225	7.7805	1.7742	1.7942	0.0000	-1.7619	.0364
1863	.0160	28.0891	2.8270	7.7805	1.7567	1.7764	0.0000	-1.7440	.0362
1864	-1.8472	28.0823	2.8249	7.7849	1.7908	1.8110	0.0000	-1.7766	.0366
1865	.0560	28.0969	2.8285	7.7912	1.7983	1.8105	0.0000	-1.7853	.0366
1866	1.9632	28.9061	2.8303	7.7946	1.7912	1.8113	0.0000	-1.7715	.0363
1867	3.9202	28.9190	2.8331	7.7996	1.7798	1.7998	0.0000	-1.7566	.0361
1868	5.9191	28.9399	2.8340	7.8011	1.7919	1.8120	0.0000	-1.7621	.0359
1869	7.9446	28.9318	2.8396	7.8112	1.7938	1.8140	0.0000	-1.7544	.0347
1870	10.0078	28.9418	2.8361	7.8050	1.7641	1.7839	0.0000	-1.7090	.0322
1871	12.0981	28.8634	2.8350	7.8031	1.7874	1.8075	0.0000	-1.7201	.0305
1872	14.1598	28.9345	2.8460	7.8228	1.7888	1.8089	0.0000	-1.7079	.0297
1873	16.1865	28.9505	2.8425	7.8165	1.8000	1.8202	0.0000	-1.6951	.0309
1874	18.1887	28.9825	2.8478	7.8260	1.8012	1.8214	0.0000	-1.6766	.0325
1875	20.1883	29.0049	2.8521	7.8338	1.8020	1.8231	0.0000	-1.6618	.0335
1876	21.8549	28.9261	2.8439	7.8190	1.7678	1.7676	0.0000	-1.7520	.0365
1877	.0324	.6354	.9819	4.4675	0.0000	0.0000	0.0000	.0174	.0070
1878	.0068	0.0000	.9796	4.4633	0.0000	0.0000	0.0000	.0198	.0074
1879	.0032								

		995					114						
TEST													
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM		
1862	.0109	.0155	.0729	-.0291	.0155	.0547	-.0291	.0155	.0654	-.0291	1.0000		
1863	.0160	.0725	-1.6365	-.2389	.2720	.1013	-.0308	.2725	-1.6787	-.2396	1.0000		
1864	-1.0472	.0730	-1.6098	-.2657	.1296	.1098	-.0676	.0722	-1.6693	-.2684	1.0000		
1865	.0560	.2850	-1.6551	-.2404	.2632	.0991	-.0304	.2849	-1.6809	-.2392	1.0000		
1866	1.9632	.4925	-1.6614	-.2176	.4309	.0991	-.0147	.4919	-1.6798	-.2155	1.0000		
1867	3.9202	.7187	-1.6417	-.1952	.5962	.1089	.0069	.7179	-1.6669	-.1939	1.0000		
1868	5.9191	.9398	-1.6138	-.1692	.7562	.1204	.0316	.9398	-1.6501	-.1692	1.0000		
1869	7.9446	1.1551	-1.5975	-.1379	.9074	.1413	.0643	1.1535	-1.6216	-.1365	1.0000		
1870	10.0078	1.3596	-1.5577	-.1069	1.0479	.1741	.0955	1.3572	-1.5788	-.1053	1.0000		
1871	12.0981	1.5504	-1.4835	-.0704	1.1807	.2092	.1287	1.5538	-1.5313	-.0721	1.0000		
1872	14.1598	1.7654	-1.4529	-.0320	1.3282	.2497	.1696	1.7636	-1.4763	-.0312	1.0000		
1873	16.1865	1.9459	-1.3881	.0104	1.4472	.3081	.2122	1.9434	-1.4013	.0114	1.0000		
1874	18.1887	2.1439	-1.2975	.0504	1.5820	.3817	.2535	2.1377	-1.3094	.0527	1.0000		
1875	20.1803	2.3125	-1.1552	.0695	1.6911	.5029	.2727	2.3052	-1.1679	.0719	1.0000		
1876	21.0549	2.4733	-1.0176	.0720	1.8821	.6222	.2754	2.4648	-1.0299	.0746	1.0000		
1877	.0324	.2739	-1.6308	-.2410	.2729	.1005	-.0416	.2739	-1.6795	-.2424	1.0000		
1878	.0068	-.0167	.0566	-.0231	-.0167	.0325	-.0231	-.0167	.0499	-.0231	1.0000		
1879	.0032	.0468	.0665	-.0393	.0468	.0393	-.0393	.0468	.0590	-.0393	1.0000		

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TEST	995					RUN	116				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1900	.167	1942	.03	-.00	100030	.4613	.0616	-.1379	-.0011	.0004	.0066
1901	.166	1935	-1.86	-.00	100037	.3332	.0659	-.1735	.0010	.0004	.0004
1902	.166	1939	.03	-.00	100034	.4633	.0628	-.1371	-.0010	.0003	.0054
1903	.165	1906	1.95	-.00	100067	.5901	.0558	-.1032	-.0015	.0002	.0045
1904	.166	1932	3.90	-.00	100037	.7163	.0447	-.0646	.0003	.0001	.0072
1905	.166	1929	5.89	-.00	100040	.8552	.0332	-.0265	-.0003	.0001	.0063
1906	.166	1919	7.92	.00	100050	.9736	.0248	.0160	-.0001	.0014	-.0110
1907	.165	1899	10.00	-.00	100070	1.0554	.0217	.0657	-.0009	.0002	.0083
1908	.165	1906	12.10	-.00	100060	1.1446	.0225	.1126	-.0005	.0003	.0048
1909	.165	1906	14.17	-.00	100060	1.2162	.0318	.1675	.0012	.0001	.0044
1910	.164	1892	16.14	-.00	100074	1.2802	.0483	.1893	.0005	.0000	.0055
1911	.164	1892	18.15	-.00	100074	1.4234	.0519	.2261	-.0013	.0000	.0060
1912	.166	1925	20.15	-.00	100040	1.5624	.0468	.2700	.0004	.0004	.0080
1913	.165	1899	21.82	-.00	100067	1.6738	.0423	.3123	.0017	.0009	.0033
1914	.166	1925	.02	-.00	100044	.4618	.0732	-.1377	-.0008	.0003	.0053

TEST	995					RUN	116				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1900	.0257	0.0000	.9799	22.5000	0.0000	0.0000	0.0000	.0199	.0076		
1901	-1.8592	0.0000	.9806	22.5000	0.0000	0.0000	0.0000	.0193	.0078		
1902	.0281	0.0000	.9800	22.5000	0.0000	0.0000	0.0000	.0198	.0076		
1903	1.9469	0.0000	.9799	22.5000	0.0000	0.0000	0.0000	.0203	.0074		
1904	3.9002	0.0000	.9789	22.5000	0.0000	0.0000	0.0000	.0210	.0074		
1905	5.8949	0.0000	.9792	22.5000	0.0000	0.0000	0.0000	.0206	.0071		
1906	7.9174	0.0000	.9785	22.5000	0.0000	0.0000	0.0000	.0213	.0069		
1907	9.9996	0.0000	.9783	22.5000	0.0000	0.0000	0.0000	.0217	.0070		
1908	12.0999	0.0000	.9768	22.5000	0.0000	0.0000	0.0000	.0229	.0070		
1909	14.1678	0.0000	.9755	22.5000	0.0000	0.0000	0.0000	.0240	.0072		
1910	16.1438	0.0000	.9744	22.5000	0.0000	0.0000	0.0000	.0251	.0080		
1911	18.1537	0.0000	.9719	22.5000	0.0000	0.0000	0.0000	.0272	.0085		
1912	20.1527	0.0000	.9739	22.5000	0.0000	0.0000	0.0000	.0245	.0090		
1913	21.8238	0.0000	.9711	22.5000	0.0000	0.0000	0.0000	.0272	.0088		
1914	.0231	0.0000	.9799	22.5000	0.0000	0.0000	0.0000	.0201	.0075		

TEST	995					RUN	116				
POINT	ALPHA DEG	CL	CO	CM	CL,EQ	CO,EQ	CM,EQ	CL,NOM	CO,NOM	CM,NOM	CMU,NOM
1900	.0257	.4613	.4618	-.1379	.4613	.0343	-.1379	.4613	.0542	-.1379	1.0000
1901	-1.8592	.3351	.0550	-.1735	.3351	.0280	-.1735	.3351	.0472	-.1735	1.0000
1902	.0281	.4632	.0631	-.1371	.4632	.0356	-.1371	.4632	.0555	-.1371	1.0000
1903	1.9469	.5878	.0758	-.1032	.5878	.0482	-.1032	.5878	.0685	-.1032	1.0000
1904	3.9002	.7116	.0933	-.0646	.7116	.0649	-.0646	.7116	.0859	-.0646	1.0000
1905	5.8949	.8473	.1289	-.0265	.8473	.0931	-.0265	.8473	.1137	-.0265	1.0000
1906	7.9174	.9609	.1587	.0160	.9609	.1304	.0160	.9609	.1517	.0160	1.0000
1907	9.9996	1.0356	.2047	.0657	1.0356	.1760	.0657	1.0356	.1976	.0657	1.0000
1908	12.0999	1.1144	.2619	.1126	1.1144	.2320	.1126	1.1144	.2549	.1126	1.0000
1909	14.1678	1.1714	.3285	.1675	1.1714	.2973	.1675	1.1714	.3213	.1675	1.0000
1910	16.1438	1.2163	.4023	.1893	1.2163	.3693	.1893	1.2163	.3944	.1893	1.0000
1911	18.1537	1.3364	.4928	.2261	1.3364	.4572	.2261	1.3364	.4843	.2261	1.0000
1912	20.1527	1.4506	.5822	.2700	1.4506	.5487	.2700	1.4506	.5732	.2700	1.0000
1913	21.8238	1.5381	.6615	.3123	1.5381	.6254	.3123	1.5381	.6526	.3123	1.0000
1914	.0231	.4617	.0734	-.1377	.4617	.0459	-.1377	.4617	.0659	-.1377	1.0000

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TEST		995		RUN		117					
POINT	MACH	δ N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
1915	.166	1925	.01	.00	100044	.4640	.0686	-.1382	-.0006	.0011	-.0061
1916	.166	1929	.01	-.00	100037	.4274	.0624	-.1291	-.0013	.0004	.0022
1917	.166	1932	.05	.00	100023	1.2200	-1.4531	-.5251	-.0015	-.0005	-.0014
1918	.167	1942	-1.03	.00	100007	1.0299	-1.3343	-.5359	-.0017	-.0021	-.0068
1919	.168	1972	.09	.00	99976	1.1703	-1.3359	-.4967	-.0031	-.0022	.0003
1920	.167	1962	2.00	.00	99986	1.3178	-1.3781	-.4728	-.0033	-.0023	.0005
1921	.165	1912	3.96	.00	100043	1.5089	-1.4607	-.4554	-.0029	-.0033	-.0032
1922	.166	1939	5.95	.00	100017	1.6549	-1.3998	-.4193	-.0005	-.0047	-.0132
1923	.164	1876	7.98	.00	100073	1.8711	-1.4440	-.4108	.0017	-.0037	-.0001
1924	.167	1952	10.04	.00	99996	2.0507	-1.4165	-.3812	.0060	-.0035	.0016
1925	.166	1925	12.10	.00	100023	2.2770	-1.4748	-.3712	.0073	-.0033	-.0023
1926	.166	1932	14.26	.00	100017	2.5062	-1.5053	-.3505	.0022	-.0024	-.0012
1927	.164	1892	16.23	-.00	100057	2.7310	-1.4662	-.3261	.0046	-.0016	.0074
1928	.166	1925	18.26	.00	100023	2.9552	-1.4910	-.2951	.0052	-.0012	.0005
1929	.165	1912	20.25	.00	100037	3.1763	-1.5419	-.2581	.0046	-.0009	-.0033
1930	.167	1945	21.95	.00	100003	3.3338	-1.5534	-.2144	-.0000	-.0002	.0013
1931	.167	1958	.09	.00	99990	1.2104	-1.4232	-.5204	-.0009	-.0011	-.0054
1932	.168	1982	.03	-.00	99966	.4246	.0490	-.1327	-.0004	-.0008	.0084
1933	.166	1919	.02	-.00	100030	.4679	.0558	-.1406	.0000	.0003	.0085

TEST		995		RUN		117					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
1915	.0140	0.0000	.9829	22.5000	0.0000	0.0000	0.0000	.0181	.0075		
1916	.0052	.2354	.9849	22.5000	0.0000	0.0000	0.0000	.0150	.0072		
1917	.0466	30.0436	2.9800	22.5000	1.9005	1.3791	.5428	-1.9722	.0210		
1918	-1.0304	28.5582	2.8348	22.5000	1.7671	1.2029	.5041	-1.8170	.0169		
1919	.0070	28.8446	2.8629	22.5000	1.7657	1.2817	.5038	-1.8175	.0195		
1920	1.9961	29.1879	2.8954	22.5000	1.8049	1.3102	.5151	-1.8575	.0203		
1921	3.9603	29.6700	2.9478	22.5000	1.8975	1.3774	.5414	-1.9560	.0212		
1922	5.9544	29.0067	2.8788	22.5000	1.8140	1.3169	.5174	-1.8549	.0206		
1923	7.9786	28.8945	2.8683	22.5000	1.8641	1.3531	.5319	-1.8990	.0206		
1924	10.0423	29.1616	2.8940	22.5000	1.8143	1.3167	.5180	-1.8383	.0206		
1925	12.1035	29.3100	2.9111	22.5000	1.8552	1.3469	.5292	-1.8676	.0208		
1926	14.2615	29.6279	2.9473	22.5000	1.8786	1.3638	.5359	-1.8797	.0206		
1927	16.2314	28.4428	2.8211	22.5000	1.8096	1.3138	.5162	-1.7787	.0194		
1928	18.2602	28.7777	2.8586	22.5000	1.8092	1.3135	.5160	-1.7641	.0188		
1929	20.2524	29.0504	2.8835	22.5000	1.8462	1.3404	.5265	-1.7786	.0187		
1930	21.9481	29.3213	2.9132	22.5000	1.8394	1.3355	.5246	-1.7552	.0186		
1931	.0885	29.8159	2.9626	22.5000	1.8705	1.3580	.5335	-1.9279	.0210		
1932	.0286	.2869	.9692	22.5000	0.0000	0.0000	0.0000	.0299	.0075		
1933	.0234	1.4547	.9687	22.5000	0.0000	0.0000	0.0000	.0314	.0078		

TEST		995		RUN		117					
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CMU,NOM
1915	.0140	.4640	.0687	-.1382	.4640	.0431	-.1382	.4640	.0612	-.1382	1.0000
1916	.0052	.4274	.0624	-.1291	.4274	.0402	-.1291	.4274	.0553	-.1291	1.0000
1917	.0466	1.2212	-1.4521	-.5251	1.2196	.4274	-.3107	1.2211	-1.3526	-.5115	1.0000
1918	-1.0304	.9868	-1.3665	-.5359	1.0432	.3808	-.3365	.9863	-1.3983	-.5373	1.0000
1919	.0070	1.1723	-1.3342	-.4967	1.1696	.4120	-.2975	1.1723	-1.3680	-.4983	1.0000
1920	1.9961	1.3650	-1.3314	-.4728	1.3022	.4922	-.2692	1.3642	-1.3267	-.4700	1.0000
1921	3.9603	1.6062	-1.3530	-.4554	1.4751	.5187	-.2414	1.5981	-1.2571	-.4422	1.0000
1922	5.9544	1.7912	-1.2206	-.4193	1.6030	.5631	-.2147	1.7877	-1.2073	-.4155	1.0000
1923	7.9786	2.0534	-1.1703	-.4108	1.7946	.6551	-.2005	2.0417	-1.1077	-.4013	1.0000
1924	10.0423	2.2663	-1.0372	-.3812	1.9499	.7287	-.1765	2.2603	-1.0240	-.3773	1.0000
1925	12.1035	2.5357	-.9646	-.3712	2.1467	.8286	-.1619	2.5199	-.9119	-.3627	1.0000
1926	14.2615	2.7998	-.8415	-.3505	2.3370	.9586	-.1386	2.7755	-.7665	-.3394	1.0000
1927	16.2314	3.0320	-.6444	-.3261	2.5262	1.0737	-.1219	3.0237	-.6353	-.3227	1.0000
1928	18.2602	3.2735	-.4900	-.2951	2.7066	1.2093	-.0910	3.2644	-.4811	-.2919	1.0000
1929	20.2524	3.5137	-.3470	-.2581	2.8746	1.3662	-.0498	3.4907	-.3037	-.2506	1.0000
1930	21.9481	3.6728	-.1947	-.2144	2.9853	1.4927	-.0069	3.6586	-.1583	-.2077	1.0000
1931	.0885	1.2126	-1.4214	-.5204	1.2097	.4281	-.3093	1.2124	-1.3519	-.5101	1.0000
1932	.0286	.4246	.0493	-.1327	.4246	.0119	-.1327	.4246	.0417	-.1327	1.0000
1933	.0234	.4679	.0560	-.1406	.4679	.0167	-.1406	.4679	.0481	-.1406	1.0000

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TEST		995		ALPHA		BETA		P,INF		CNF		CAF		CPH		CRM,B		CYM,B		CSF	
POINT	MACH	0	N/(MXM)	DEG	DEG	DEG	DEG	N/(MXM)													
1951	.166	1915		.02	-.00			99561	.4311	.0625	-.1309		.0004		.0010		.0004		.0064		
1952	.166	1919		-1.84	.00			99559	.3890	.0677	-.1639		-.0014		-.0003		-.0147		-.0018		
1953	.167	1935		.06	-.00			99546	.4350	.0645	-.1299		-.0000		.0005		-.0018		-.0018		
1954	.166	1922		1.96	-.00			99556	.5566	.0556	-.0941		-.0010		.0004		-.0004		-.0004		
1955	.165	1909		3.88	-.00			99576	.6787	.0455	-.0565		-.0004		.0002		-.0008		-.0008		
1956	.165	1909		5.93	-.00			99576	.8161	.0321	-.0172		-.0006		.0003		-.0032		-.0032		
1957	.165	1909		7.92	-.00			99569	.9424	.0221	.0236		.0001		.0011		-.0003		-.0003		
1958	.166	1915		9.99	-.00			99563	1.0498	.0182	.0686		.0018		.0008		-.0072		-.0072		
1959	.165	1906		12.10	-.00			99573	1.1322	.0281	.1191		-.0006		.0005		-.0083		-.0083		
1960	.165	1909		14.16	-.00			99563	1.1460	.0281	.1702		.0011		.0019		-.0070		-.0070		
1961	.165	1906		16.17	-.00			99566	1.2845	.0499	.1933		-.0007		.0003		-.0075		-.0075		
1962	.166	1912		18.19	-.00			99563	1.4238	.0532	.2302		-.0007		.0004		-.0037		-.0037		
1963	.166	1912		20.17	-.00			99563	1.5597	.0497	.2746		.0004		.0004		-.0003		-.0003		
1964	.166	1929		21.73	-.00			99549	1.6574	.0460	.3157		.0009		.0012		-.0008		-.0008		
1965	.166	1925		.04	-.00			99553	.4386	.0710	-.1289		.0002		.0003		-.0008		-.0008		

TEST		995		WT FLOW		NPR		THETA,T		CT		CHU,N		CHU,J		CD,N		CD,C	
POINT	ALPHA	DEG	N/SEC			DEG													
1951	.0236		0.0000		.9785	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0214	.0079		
1952	-1.8421		0.0000		.9784	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0215	.0081		
1953	.0588		0.0000		.9797	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0200	.0080		
1954	1.9607		0.0000		.9801	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0197	.0077		
1955	3.8810		0.0000		.9803	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0197	.0076		
1956	5.9258		0.0000		.9791	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0208	.0074		
1957	7.9213		0.0000		.9813	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0185	.0073		
1958	9.9892		0.0000		.9789	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0207	.0074		
1959	12.1019		0.0000		.9782	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0214	.0074		
1960	14.1635		0.0000		.9761	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0232	.0074		
1961	16.1655		0.0000		.9708	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0261	.0087		
1962	18.1872		.0573		.9695	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0289	.0093		
1963	20.1707		0.0000		.9679	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0301	.0096		
1964	21.7332		0.0000		.9659	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0314	.0099		
1965	.0381		1.1183		.9785	25.4000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0213	.0080		

TEST		995		CL		CD		CM		CL,EQ		CD,EQ		CM,EQ		CL,NOM		CD,NOM		CM,NOM		CHU,NOM	
POINT	ALPHA	DEG																					
1951	.0236		.4311		.0627	-.1309		.4311		.0333	-.1309		.4311		.0547	-.1309		1.0000					
1952	-1.8421		.3110		.0577	-.1639		.3110		.0281	-.1639		.3110		.0496	-.1639		1.0000					
1953	.0588		.4350		.0649	-.1299		.4350		.0369	-.1299		.4350		.0570	-.1299		1.0000					
1954	1.9607		.5544		.0746	-.0941		.5544		.0472	-.0941		.5544		.0669	-.0941		1.0000					
1955	3.8810		.6741		.0914	-.0565		.6741		.0641	-.0565		.6741		.0838	-.0565		1.0000					
1956	5.9258		.8084		.1162	-.0172		.8084		.0880	-.0172		.8084		.1088	-.0172		1.0000					
1957	7.9213		.9303		.1517	.0236		.9303		.1259	.0236		.9303		.1444	.0236		1.0000					
1958	9.9892		1.0308		.2000	.0686		1.0308		.1719	.0686		1.0308		.1926	.0686		1.0000					
1959	12.1019		1.1029		.2570	.1191		1.1029		.2282	.1191		1.1029		.2496	.1191		1.0000					
1960	14.1635		1.1528		.3199	.1702		1.1528		.2892	.1702		1.1528		.3125	.1702		1.0000					
1961	16.1655		1.2199		.4055	.1933		1.2199		.3688	.1933		1.2199		.3969	.1933		1.0000					
1962	18.1872		1.3361		.4950	.2302		1.3361		.4568	.2302		1.3361		.4857	.2302		1.0000					
1963	20.1707		1.4469		.5844	.2746		1.4469		.5448	.2746		1.4469		.5749	.2746		1.0000					
1964	21.7332		1.5225		.6564	.3157		1.5225		.6151	.3157		1.5225		.6465	.3157		1.0000					
1965	.0381		.4386		.0713	-.1289		.4386		.0420	-.1289		.4386		.0633	-.1289		1.0000					

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		120		RUN		120	
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P-INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
1967	.166	1929	.03	-.00	99536	.4297	.0686	-.1258	-.0005	.0005	.0008
1968	.166	1919	.08	-.00	99552	1.2529	-1.5077	-.5777	-.0008	.0022	-.0055
1969	.166	1919	-1.80	-.00	99552	1.1114	-1.5118	-.6100	-.0016	.0020	-.0124
1970	.166	1922	.10	-.00	99549	1.2578	-1.5117	-.5758	-.0016	.0020	-.0052
1971	.167	1932	2.00	.00	99539	1.3892	-1.5087	-.5435	-.0028	.0016	-.0100
1972	.167	1939	3.96	-.00	99532	1.5253	-1.5147	-.5106	-.0015	.0012	-.0094
1973	.166	1919	5.96	.00	99556	1.6811	-1.5318	-.4736	-.0011	-.0002	-.0265
1974	.166	1925	7.98	.00	99546	1.8319	-1.5337	-.4487	.0000	.0013	-.0141
1975	.165	1906	10.05	-.00	99566	2.0302	-1.5496	-.4304	-.0003	.0015	-.0129
1976	.166	1925	12.18	-.00	99546	2.2224	-1.5407	-.3924	-.0016	.0015	-.0097
1977	.166	1912	14.24	-.00	99556	2.4108	-1.5601	-.3665	.0006	.0003	.0056
1978	.166	1915	16.27	-.00	99552	2.6219	-1.5719	-.3348	.0002	.0020	-.0147
1979	.167	1948	18.29	-.00	99519	2.8136	-1.5668	-.2893	.0002	.0031	-.0145
1980	.166	1922	20.30	-.00	99549	3.0494	-1.6193	-.2637	-.0016	.0037	-.0121
1981	.166	1915	21.67	-.00	99556	3.1907	-1.6428	-.2328	-.0016	.0041	-.0132
1982	.166	1922	.08	.00	99542	1.2704	-1.5474	-.5852	-.0010	.0018	-.0111
1983	.167	1942	.03	-.00	99522	.4464	.0560	-.1315	-.0001	.0001	.0016

TEST		995		RUN		120			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1967	.0262	.0417	.9799	25.4000	0.0000	0.0000	0.0000	.0199	.0078
1968	.0757	29.3359	2.9216	25.4000	1.8514	1.6088	.2634	-1.9113	.0211
1969	-1.7990	29.3989	2.9253	25.4000	1.8574	1.6141	.2642	-1.9140	.0208
1970	.0971	29.3412	2.9251	25.4000	1.8526	1.6098	.2636	-1.9114	.0210
1971	2.0045	29.2648	2.9175	25.4000	1.8370	1.5963	.2613	-1.8927	.0212
1972	3.9571	29.2426	2.9173	25.4000	1.8381	1.5903	.2604	-1.8826	.0213
1973	5.9572	29.1751	2.9150	25.4000	1.8452	1.6034	.2626	-1.8945	.0216
1974	7.9817	29.1467	2.9113	25.4000	1.8377	1.5969	.2614	-1.8760	.0217
1975	10.0525	29.0288	2.9039	25.4000	1.8488	1.6859	.2629	-1.8778	.0218
1976	12.1809	29.0586	2.9017	25.4000	1.8317	1.5917	.2605	-1.8424	.0220
1977	14.2429	29.0164	2.8937	25.4000	1.8392	1.5981	.2618	-1.8320	.0221
1978	16.2700	28.9782	2.8967	25.4000	1.8359	1.5953	.2612	-1.8141	.0215
1979	18.2878	29.0402	2.9132	25.4000	1.8135	1.5759	.2580	-1.7786	.0209
1980	20.3008	29.1416	2.9112	25.4000	1.8449	1.6032	.2625	-1.7798	.0218
1981	21.6716	29.1702	2.9216	25.4000	1.8567	1.6135	.2641	-1.7793	.0230
1982	.0814	29.5859	2.9584	25.4000	1.8855	1.6383	.2684	-1.9443	.0214
1983	.0319	0.0000	.9628	25.4000	0.0000	0.0000	0.0000	.0365	.0079

TEST		995		RUN		120		RUN		120	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1967	.0262	.4297	.0688	-.1258	.4297	.0418	-.1258	.4297	.0609	-.1258	1.0000
1968	.0757	1.2549	-1.5060	-.5777	1.2524	.3243	-.3688	1.2548	-1.4557	-.5696	1.0000
1969	-1.7990	1.0634	-1.5460	-.6100	1.1217	.2897	-.4004	1.0658	-1.4894	-.6012	1.0000
1970	.0971	1.2603	-1.5096	-.5758	1.2572	.3221	-.3668	1.2602	-1.4579	-.5676	1.0000
1971	2.0045	1.4411	-1.4592	-.5435	1.3769	.3555	-.3362	1.4391	-1.4234	-.5370	1.0000
1972	3.9571	1.6262	-1.4059	-.5106	1.4999	.3986	-.3042	1.6227	-1.3771	-.5050	1.0000
1973	5.9572	1.8310	-1.3491	-.4736	1.6395	.4646	-.2654	1.8242	-1.3058	-.4662	1.0000
1974	7.9817	2.0271	-1.2645	-.4407	1.7719	.5337	-.2334	2.0191	-1.2290	-.4342	1.0000
1975	10.0525	2.2695	-1.1714	-.4304	1.9470	.6264	-.2219	2.2577	-1.1262	-.4228	1.0000
1976	12.1809	2.4975	-1.0371	-.3924	2.1110	.7314	-.1858	2.4866	-1.0886	-.3866	1.0000
1977	14.2429	2.7206	-.9190	-.3665	2.2681	.8415	-.1590	2.7060	-.8838	-.3598	1.0000
1978	16.2700	2.9573	-.7744	-.3348	2.4430	.9664	-.1277	2.9417	-.7423	-.3285	1.0000
1979	18.2878	3.1632	-.6048	-.2893	2.5941	1.0961	-.0847	3.1527	-.5940	-.2855	1.0000
1980	20.3008	3.4218	-.4608	-.2637	2.7817	1.2477	-.0556	3.3993	-.4217	-.2564	1.0000
1981	21.6716	3.5718	-.3484	-.2328	2.8861	1.3541	-.0233	3.5435	-.3001	-.2242	1.0000
1982	.0814	1.2726	-1.5456	-.5852	1.2699	.3186	-.3725	1.2725	-1.4614	-.5733	1.0000
1983	.0319	.4464	.0562	-.1315	.4464	.0118	-.1315	.4464	.0463	-.1315	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 121								
POINT	MACH	0 N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF
1996	.166	1912	.03	-.00	99491	.4305	.0641	-.1037	-.0011	-.0003	.0071
1997	.165	1906	-1.84	-.00	99491	.2918	.0699	-.1788	-.0020	-.0007	.0060
1998	.166	1909	.05	-.00	99488	.4312	.0636	-.1040	-.0017	-.0003	.0073
1999	.166	1925	1.97	-.00	99471	.5724	.0572	-.0214	-.0021	-.0004	.0073
2000	.166	1915	3.92	-.00	99481	.7189	.0473	.0638	-.0016	-.0012	.0146
2001	.166	1915	5.94	-.00	99481	.8732	.0361	.1538	-.0003	-.0012	.0077
2002	.166	1912	7.96	-.00	99485	1.0327	.0242	.2377	-.0003	-.0011	.0081
2003	.166	1912	10.04	-.00	99485	1.1872	.0141	.3269	-.0010	-.0009	.0092
2004	.165	1899	12.16	-.00	99498	1.3459	.0055	.4232	-.0015	-.0006	.0115
2005	.166	1922	14.24	-.00	99475	1.5046	-.0002	.5160	-.0007	-.0005	.0096
2006	.166	1922	16.23	-.00	99471	1.6490	-.0061	.5913	-.0012	-.0004	.0103
2007	.165	1892	18.26	-.00	99498	1.7932	-.0129	.6753	-.0004	-.0007	.0106
2008	.166	1919	20.30	-.00	99461	1.9298	-.0211	.7600	-.0003	-.0005	.0125
2009	.166	1929	21.76	-.00	99448	2.0301	-.0272	.8275	-.0002	-.0005	.0127
2010	.166	1912	.04	-.00	99458	.4481	.0662	-.1056	-.0010	-.0005	.0104

TEST		995		RUN		121			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
1996	.0300	0.0000	.9792	25.4000	0.0000	0.0000	0.0000	.0207	.0079
1997	-1.8355	0.0000	.9791	25.4000	0.0000	0.0000	0.0000	.0209	.0081
1998	.0508	0.0000	.9797	25.4000	0.0000	0.0000	0.0000	.0203	.0079
1999	1.9720	0.0000	.9783	25.4000	0.0000	0.0000	0.0000	.0215	.0079
2000	3.9243	0.0000	.9802	25.4000	0.0000	0.0000	0.0000	.0197	.0077
2001	5.9407	0.0000	.9796	25.4000	0.0000	0.0000	0.0000	.0202	.0078
2002	7.9607	0.0000	.9799	25.4000	0.0000	0.0000	0.0000	.0198	.0078
2003	10.0404	0.0000	.9797	25.4000	0.0000	0.0000	0.0000	.0200	.0079
2004	12.1559	0.0000	.9784	25.4000	0.0000	0.0000	0.0000	.0212	.0081
2005	14.2352	0.0000	.9789	25.4000	0.0000	0.0000	0.0000	.0203	.0083
2006	16.2299	0.0000	.9786	25.4000	0.0000	0.0000	0.0000	.0204	.0082
2007	18.2568	0.0000	.9779	25.4000	0.0000	0.0000	0.0000	.0211	.0084
2008	20.3025	0.0000	.9762	25.4000	0.0000	0.0000	0.0000	.0221	.0085
2009	21.7586	0.0040	.9745	25.4000	0.0000	0.0000	0.0000	.0234	.0085
2010	.0449	0.0000	.9780	25.4000	0.0000	0.0000	0.0000	.0220	.0079

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 121								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
1996	.0300	.4304	.0643	-.1037	.4304	.0357	-.1037	.4304	.0564	-.1037	1.0000
1997	-1.8355	.2939	.0605	-.1788	.2939	.0315	-.1788	.2939	.0525	-.1788	1.0000
1998	.0508	.4311	.0639	-.1040	.4311	.0357	-.1040	.4311	.0560	-.1040	1.0000
1999	1.9720	.5701	.0769	-.0214	.5701	.0475	-.0214	.5701	.0690	-.0214	1.0000
2000	3.9243	.7140	.0964	.0638	.7140	.0691	.0638	.7140	.0888	.0638	1.0000
2001	5.9407	.8648	.1263	.1538	.8648	.0983	.1538	.8648	.1185	.1538	1.0000
2002	7.9607	1.0194	.1670	.2377	1.0194	.1394	.2377	1.0194	.1592	.2377	1.0000
2003	10.0404	1.1666	.2209	.3269	1.1666	.1930	.3269	1.1666	.2130	.3269	1.0000
2004	12.1559	1.3146	.2888	.4232	1.3146	.2596	.4232	1.3146	.2808	.4232	1.0000
2005	14.2352	1.4584	.3698	.5160	1.4584	.3412	.5160	1.4584	.3615	.5160	1.0000
2006	16.2299	1.5850	.4551	.5913	1.5850	.4265	.5913	1.5850	.4468	.5913	1.0000
2007	18.2568	1.7069	.5495	.6753	1.7069	.5200	.6753	1.7069	.5411	.6753	1.0000
2008	20.3025	1.8172	.6498	.7600	1.8172	.6191	.7600	1.8172	.6413	.7600	1.0000
2009	21.7586	1.8956	.7272	.8275	1.8956	.6953	.8275	1.8956	.7187	.8275	1.0000
2010	.0449	.4481	.0666	-.1056	.4481	.0367	-.1056	.4481	.0587	-.1056	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 122								
POINT	MACH	Q N/(MKM)	ALPHA DEG	BETA DEG	P-INF N/(MKM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2011	.166	1912	.04	-.00	99451	.4179	.0636	-.0971	-.0019	-.0003	.0063
2012	.166	1925	.08	-.00	99431	1.2548	-1.5512	-.5439	-.0022	.0006	-.0010
2013	.166	1912	-1.79	-.00	99430	1.1040	-1.5415	-.6145	-.0027	.0004	-.0010
2014	.165	1906	.11	-.00	99427	1.2642	-1.5580	-.5457	-.0031	.0005	-.0007
2015	.166	1912	2.03	-.00	99417	1.4226	-1.5422	-.4639	-.0029	.0009	-.0020
2016	.165	1899	4.00	-.00	99424	1.5916	-1.5554	-.3825	-.0026	.0013	-.0010
2017	.165	1889	6.00	-.00	99440	1.7627	-1.5741	-.2958	-.0021	.0006	-.0000
2018	.164	1872	8.02	-.00	99457	1.9499	-1.5983	-.2181	-.0021	.0008	.0015
2019	.166	1915	10.10	-.00	99414	2.1183	-1.5757	-.1194	-.0030	.0010	.0028
2020	.167	1935	12.22	-.00	99397	2.3125	-1.5834	-.0301	-.0006	.0014	-.0040
2021	.166	1922	14.32	-.00	99407	2.5092	-1.6012	.0611	-.0003	.0013	-.0011
2022	.166	1925	16.32	-.00	99404	2.7139	-1.5987	.1329	-.0009	.0014	.0016
2023	.166	1912	18.34	-.00	99417	2.9479	-1.6205	.1983	-.0004	.0023	.0011
2024	.167	1932	20.34	-.00	99408	3.1528	-1.6191	.2893	-.0009	.0018	.0020
2025	.165	1902	21.96	-.00	99427	3.3347	-1.6456	.3591	-.0008	.0019	.0011
2026	.166	1899	.09	-.00	99424	1.2623	-1.5381	-.5411	-.0020	.0023	.0006
2027	.166	1925	.04	-.00	99407	.4394	.0468	-.1039	-.0014	-.0005	.0083

TEST		995			RUN		122			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
2011	.0411	0.0000	.9786	25.4000	0.0000	0.0000	0.0000	.0213	.0079	
2012	.0762	29.5534	2.9643	25.4000	1.8848	1.6381	.2678	-1.9446	.0211	
2013	-1.7929	29.3380	2.9495	25.4000	1.8797	1.6336	.2672	-1.9424	.0210	
2014	.1133	29.4196	2.9587	25.4000	1.8936	1.6456	.2693	-1.9592	.0213	
2015	2.0338	29.2498	2.9308	25.4000	1.8679	1.6230	.2658	-1.9232	.0216	
2016	3.9975	29.1832	2.9154	25.4000	1.8706	1.6251	.2665	-1.9178	.0221	
2017	5.9957	29.1408	2.9167	25.4000	1.8780	1.6314	.2676	-1.9236	.0225	
2018	8.0244	29.1313	2.9178	25.4000	1.8951	1.6464	.2699	-1.9336	.0231	
2019	10.0956	29.1915	2.9217	25.4000	1.8563	1.6126	.2646	-1.8824	.0237	
2020	12.2174	29.3248	2.9410	25.4000	1.8505	1.6076	.2638	-1.8679	.0243	
2021	14.3172	29.3984	2.9454	25.4000	1.8689	1.6236	.2664	-1.8689	.0251	
2022	16.3186	29.2776	2.9302	25.4000	1.8538	1.6104	.2642	-1.8334	.0255	
2023	18.3381	29.2596	2.9299	25.4000	1.8642	1.6193	.2659	-1.8259	.0264	
2024	20.3372	29.2069	2.9201	25.4000	1.8395	1.5979	.2623	-1.7757	.0269	
2025	21.9562	29.1856	2.9207	25.4000	1.8675	1.6222	.2662	-1.7849	.0277	
2026	.0855	29.2511	2.9299	25.4000	1.8682	1.6227	.2664	-1.9270	.0212	
2027	.0401	0.0000	.9652	25.4000	0.0000	0.0000	0.0000	.0345	.0080	

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 122								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2011	.0411	.4178	.0639	-.0971	.4178	.0347	-.0971	.4178	.0560	-.0971	1.0000
2012	.0762	1.2569	-1.5495	-.5439	1.2544	.3142	-.3313	1.2567	-1.4658	-.5321	1.0000
2013	-1.7929	1.0552	-1.5752	-.6145	1.1141	.2825	-.4024	1.0584	-1.4966	-.6032	1.0000
2014	.1133	1.2673	-1.5555	-.5457	1.2636	.3169	-.3321	1.2671	-1.4631	-.5329	1.0000
2015	2.0338	1.4765	-1.4907	-.4639	1.4102	.3544	-.2532	1.4734	-1.4244	-.4540	1.0000
2016	3.9975	1.6962	-1.4407	-.3825	1.5658	.4033	-.1715	1.6898	-1.3724	-.3723	1.0000
2017	5.9957	1.9175	-1.3814	-.2958	1.7214	.4639	-.0839	1.9073	-1.3064	-.2847	1.0000
2018	8.0244	2.1539	-1.3105	-.2181	1.8894	.5429	-.0043	2.1379	-1.2197	-.2051	1.0000
2019	10.0956	2.3617	-1.1800	-.1194	2.0363	.6239	.0901	2.3483	-1.1286	-.1107	1.0000
2020	12.2174	2.5952	-1.0581	-.0301	2.2036	.7262	.1787	2.5803	-1.0135	-.0221	1.0000
2021	14.3172	2.8272	-.9310	.0611	2.3651	.8548	.2720	2.8053	-.8699	.0712	1.0000
2022	16.3186	3.0538	-.7718	.1329	2.5329	.9818	.3421	3.0330	-.7265	.1412	1.0000
2023	18.3381	3.3081	-.6108	.1983	2.7215	1.1324	.4086	3.2816	-.5572	.2078	1.0000
2024	20.3372	3.5189	-.4224	.2893	2.8796	1.2755	.4968	3.4983	-.3935	.2960	1.0000
2025	21.9562	3.7082	-.2794	.3591	3.0099	1.4249	.5698	3.6755	-.2260	.3690	1.0000
2026	.0855	1.2646	-1.5362	-.5411	1.2618	.3107	-.3303	1.2644	-1.4693	-.5311	1.0000
2027	.0401	.4393	.0471	-.1039	.4393	.0046	-.1039	.4393	.0391	-.1039	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 123								
POINT	MACH	Q N/(MKM)	ALPHA DEG	BETA DEG	P,INF N/(MKM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2030	.167	1932	.01	-.00	99387	.3814	.1123	-.3274	-.0018	-.0002	-.0003
2031	.166	1919	-1.88	-.00	99390	.1693	.1276	-.3985	-.0016	-.0001	-.0005
2032	.157	1929	.02	-.00	99380	.3057	.1230	-.3245	-.0019	.0000	.0021
2033	.166	1922	1.95	-.00	99380	.4370	.0914	-.2573	-.0023	-.0002	.0032
2034	.166	1912	3.91	-.00	99383	.5757	.0759	-.1780	-.0015	-.0005	.0028
2035	.166	1919	5.92	-.00	99380	.7334	.0554	-.0940	-.0021	-.0004	.0008
2036	.167	1935	7.94	-.00	99360	.8799	.0387	-.0121	-.0026	-.0006	.0036
2037	.165	1889	10.01	-.00	99403	1.0188	.0262	.0691	-.0021	-.0003	.0006
2038	.166	1909	12.11	-.00	99376	1.1519	.0128	.1510	-.0024	.0000	.0026
2039	.165	1899	14.21	-.00	99390	1.2690	.0021	.2427	-.0020	.0001	.0008
2040	.166	1909	16.20	-.00	99380	1.3684	-.0080	.3340	-.0013	.0002	.0037
2041	.165	1892	18.19	-.00	99396	1.4465	-.0135	.4140	-.0024	-.0003	.0010
2042	.167	1929	20.20	-.00	99353	1.5790	-.0274	.4989	-.0031	.0004	.0012
2043	.166	1912	21.64	-.00	99376	1.6756	-.0420	.5616	-.0020	.0003	-.0014
2044	.157	1935	.02	-.00	99353	.3056	.1146	-.3282	-.0042	-.0001	-.0006

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 123								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2030	.0056	0.0000	.9777	25.4000	0.0000	0.0000	0.0000	.0220	.0073		
2031	-1.8759	0.0000	.9779	25.4000	0.0000	0.0000	0.0000	.0219	.0078		
2032	.0199	0.0000	.9782	25.4000	0.0000	0.0000	0.0000	.0215	.0073		
2033	1.9460	0.0000	.9788	25.4000	0.0000	0.0000	0.0000	.0210	.0070		
2034	3.9116	0.0000	.9781	25.4000	0.0000	0.0000	0.0000	.0217	.0070		
2035	5.9155	0.0000	.9782	25.4000	0.0000	0.0000	0.0000	.0215	.0070		
2036	7.9380	0.0000	.9773	25.4000	0.0000	0.0000	0.0000	.0221	.0071		
2037	10.0056	0.0000	.9777	25.4000	0.0000	0.0000	0.0000	.0222	.0074		
2038	12.1135	0.0000	.9761	25.4000	0.0000	0.0000	0.0000	.0233	.0076		
2039	14.2101	0.0000	.9752	25.4000	0.0000	0.0000	0.0000	.0241	.0078		
2040	16.1995	0.0000	.9738	25.4000	0.0000	0.0000	0.0000	.0251	.0079		
2041	18.1931	0.0000	.9707	25.4000	0.0000	0.0000	0.0000	.0281	.0084		
2042	20.1995	0.0000	.9687	25.4000	0.0000	0.0000	0.0000	.0290	.0087		
2043	21.6404	0.0000	.9693	25.4000	0.0000	0.0000	0.0000	.0285	.0087		
2044	.0151	0.0000	.9786	25.4000	0.0000	0.0000	0.0000	.0211	.0073		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 123								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2030	.0056	.3014	.1123	-.3274	.3014	.0651	-.3274	.3014	.1050	-.3274	1.0000
2031	-1.8759	.1734	.1220	-.3985	.1734	.0922	-.3985	.1734	.1142	-.3985	1.0000
2032	.0199	.3057	.1231	-.3245	.3057	.0944	-.3245	.3057	.1158	-.3245	1.0000
2033	1.9460	.4336	.1062	-.2573	.4336	.0782	-.2573	.4336	.0991	-.2573	1.0000
2034	3.9116	.5692	.1150	-.1780	.5692	.0863	-.1780	.5692	.1080	-.1780	1.0000
2035	5.9155	.7238	.1307	-.0940	.7238	.1022	-.0940	.7238	.1237	-.0940	1.0000
2036	7.9380	.8661	.1598	-.0121	.8661	.1306	-.0121	.8661	.1527	-.0121	1.0000
2037	10.0056	.9987	.2028	.0691	.9987	.1732	.0691	.9987	.1954	.0691	1.0000
2038	12.1135	1.1235	.2543	.1510	1.1235	.2233	.1510	1.1235	.2466	.1510	1.0000
2039	14.2101	1.2297	.3135	.2427	1.2297	.2816	.2427	1.2297	.3057	.2427	1.0000
2040	16.1995	1.3163	.3741	.3340	1.3163	.3411	.3340	1.3163	.3662	.3340	1.0000
2041	18.1931	1.3784	.4388	.4140	1.3784	.4024	.4140	1.3784	.4304	.4140	1.0000
2042	20.1995	1.4914	.5195	.4989	1.4914	.4818	.4989	1.4914	.5108	.4989	1.0000
2043	21.6404	1.5730	.5789	.5616	1.5730	.5417	.5616	1.5730	.5701	.5616	1.0000
2044	.0151	.3056	.1147	-.3282	.3056	.0863	-.3282	.3056	.1074	-.3282	1.0000

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST	995	RUN 124									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,8	CYM,8	CSF
2045	.167	1929	.01	-.00	99363	.3021	.1134	-.3266	-.0028	-.0001	-.0011
2046	.165	1902	.06	.00	99380	1.1425	-1.4648	-.7696	-.0013	.0029	-.0137
2047	.166	1909	-1.83	.00	99373	.9915	-1.4495	-.8361	-.0023	.0034	-.0202
2048	.166	1986	.09	.00	99376	1.1461	-1.4745	-.7715	-.0025	.0030	-.0131
2049	.166	1906	2.00	-.00	99380	1.2884	-1.4915	-.7826	-.0012	.0012	.0137
2050	.166	1922	3.96	-.00	99359	1.4430	-1.4926	-.6265	-.0014	.0025	-.0105
2051	.165	1896	5.95	.00	99386	1.6298	-1.5398	-.5496	.0084	.0028	-.0135
2052	.165	1902	8.01	-.00	99380	1.8144	-1.5468	-.4769	-.0003	.0029	-.0106
2053	.165	1896	10.04	-.00	99390	2.0148	-1.5720	-.4190	-.0018	.0033	-.0121
2054	.166	1915	12.18	-.00	99363	2.2293	-1.5798	-.3506	-.0021	.0032	-.0091
2055	.166	1909	14.28	-.00	99366	2.4716	-1.6112	-.2766	-.0006	.0032	-.0091
2056	.165	1902	16.28	-.00	99373	2.6829	-1.6451	-.2148	.0003	.0037	-.0102
2057	.166	1915	18.22	-.00	99356	2.8994	-1.6659	-.1430	.0013	.0033	-.0090
2058	.167	1929	20.30	.00	99339	3.1076	-1.6922	-.0619	.0007	.0037	-.0146
2059	.166	1919	21.77	.00	99343	3.2907	-1.7251	-.0078	-.0018	-.0005	-.0116
2060	.166	1925	.06	.00	99322	1.1286	-1.4655	-.7680	-.0034	-.0029	-.0005
2061	.167	1932	.01	-.00	99305	.3097	.0968	-.3280	-.0023	-.0003	.0022

TEST	995			RUN		124			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
	.0126	0.0000	.9792	25.4000	0.0000	0.0000	0.0000	.0206	.0073
2045	.0566	28.9142	2.9011	25.4000	1.8517	1.6088	.2637	-1.9040	.0191
2046	-1.8253	28.9414	2.9095	25.4000	1.8494	1.6069	.2633	-1.9047	.0191
2047	.0870	28.9975	2.9163	25.4000	1.8584	1.6147	.2646	-1.9159	.0191
2048	2.0028	28.9771	2.9164	25.4000	1.8569	1.6133	.2645	-1.9148	.0190
2049	3.9608	28.9769	2.9116	25.4000	1.8401	1.5987	.2620	-1.8899	.0192
2050	5.9549	28.9546	2.9106	25.4000	1.8640	1.6195	.2655	-1.9100	.0200
2051	8.0080	29.0034	2.9145	25.4000	1.8618	1.6175	.2651	-1.8988	.0210
2052	10.0432	28.9898	2.9135	25.4000	1.8675	1.6225	.2659	-1.8938	.0218
2053	12.1850	29.0444	2.9222	25.4000	1.8536	1.6104	.2640	-1.8684	.0225
2054	14.2768	29.1294	2.9246	25.4000	1.8657	1.6289	.2657	-1.8613	.0232
2055	16.2823	29.1394	2.9301	25.4000	1.8756	1.6297	.2670	-1.8554	.0236
2056	18.2183	29.0672	2.9222	25.4000	1.8559	1.6124	.2643	-1.8156	.0237
2057	20.2967	29.2051	2.9380	25.4000	1.8567	1.6132	.2644	-1.7948	.0242
2058	21.7701	29.2194	2.9331	25.4000	1.8744	1.6299	.2656	-1.7818	.0246
2059	.0562	29.0093	2.9078	25.4000	1.8500	1.6088	.2620	-1.8868	.0190
2060	.0109	0.0000	.9680	25.4000	0.0000	0.0000	0.0000	.0315	.0073

TEST	995	RUN 124									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2045	.0126	.3020	.1134	-.3266	.3020	.0855	-.3266	.3020	.1061	-.3266	1.0000
2046	.0566	1.1439	-1.4637	-.7696	1.1421	.3689	-.5607	1.1438	-1.4111	-.7615	1.8000
2047	-1.8253	.9448	-1.4803	-.8361	1.0038	.3491	-.6274	.9471	-1.4300	-.8282	1.8000
2048	.0870	1.1484	-1.4728	-.7715	1.1455	.3666	-.5618	1.1482	-1.4134	-.7626	1.8000
2049	2.0028	1.3398	-1.4455	-.7826	1.2749	.3912	-.4931	1.3371	-1.3877	-.6939	1.8000
2050	3.9608	1.5427	-1.3894	-.6265	1.4156	.4271	-.4189	1.5385	-1.3486	-.6197	1.8000
2051	5.9549	1.7807	-1.3616	-.5496	1.5873	.4724	-.3393	1.7720	-1.2980	-.5401	1.8000
2052	8.0080	2.0122	-1.2790	-.4769	1.7528	.5437	-.2669	2.0008	-1.2190	-.4677	1.8000
2053	10.0432	2.2580	-1.1966	-.4190	1.9324	.6284	-.2084	2.2428	-1.1323	-.4092	1.8000
2054	12.1850	2.5125	-1.0737	-.3506	2.1213	.7157	-.1415	2.4970	-1.0242	-.3423	1.8000
2055	14.2768	2.7926	-.9519	-.2766	2.3326	.8329	-.0661	2.7715	-.8921	-.2670	1.8000
2056	16.2823	3.0365	-.8269	-.2148	2.5107	.9499	-.0832	3.0897	-.7587	-.2040	1.8000
2057	18.2183	3.2748	-.6759	-.1430	2.6946	1.0632	.0664	3.2511	-.6276	-.1344	1.8000
2058	20.2967	3.5816	-.5091	-.0619	2.8576	1.2881	.1476	3.4758	-.4614	-.0532	1.8000
2059	21.7701	3.6958	-.3816	-.0078	3.0006	1.3345	.2037	3.6608	-.3185	.0029	1.8000
2060	.0562	1.1308	-1.4644	-.7680	1.1282	.3667	-.5593	1.1299	-1.4133	-.7601	1.8000
2061	.0109	.3097	.0968	-.3280	.3097	.0581	-.3280	.3097	.0896	-.3280	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 125								
POINT	MACH	D N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2064	.166	1902	.04	-.00	99095	.4533	.1091	.1036	-.0017	.0005	.0004
2065	.165	1896	-1.83	.00	99102	.3207	.1086	.0348	-.0020	.0002	-.0043
2066	.166	1902	.07	-.00	99088	.4595	.1095	.1067	-.0019	.0004	-.0006
2067	.166	1912	1.99	-.00	99078	.5979	.1092	.1833	-.0019	.0004	.0027
2068	.165	1886	3.94	-.00	99098	.7369	.1208	.2665	.0001	.0001	-.0018
2069	.167	1925	5.96	-.00	99058	.8829	.1253	.3404	-.0008	.0000	-.0016
2070	.166	1919	7.96	-.00	99065	1.0290	.1303	.4095	-.0017	-.0001	-.0001
2071	.166	1912	10.06	-.00	99065	1.1885	.1318	.4860	-.0017	.0000	-.0008
2072	.167	1925	12.18	-.00	99045	1.3431	.1327	.5723	-.0023	.0003	-.0033
2073	.166	1919	14.32	-.00	99048	1.4751	.1271	.6619	-.0037	.0011	-.0007
2074	.165	1892	16.23	-.00	99078	1.5624	.1221	.7296	-.0027	.0010	.0038
2075	.165	1899	18.26	-.00	99068	1.6770	.1225	.8036	-.0017	.0006	.0026
2076	.166	1905	20.25	-.00	99058	1.8127	.1224	.8774	-.0009	.0006	.0016
2077	.166	1905	21.69	.00	99058	1.9229	.1192	.9297	.0008	-.0012	-.0125
2078	.165	1892	.06	-.00	99068	.4608	.1173	.1095	-.0007	.0007	-.0022

TEST 995			RUN 125						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2064	.0407	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0244	.0081
2065	-1.8316	0.0000	.9770	25.4000	0.0000	0.0000	0.0000	.0230	.0082
2066	.0692	0.0000	.9767	25.4000	0.0000	0.0000	0.0000	.0233	.0082
2067	1.9939	0.0000	.9768	25.4000	0.0000	0.0000	0.0000	.0238	.0083
2068	3.9418	0.0000	.9767	25.4000	0.0000	0.0000	0.0000	.0235	.0084
2069	5.9613	0.0000	.9763	25.4000	0.0000	0.0000	0.0000	.0232	.0083
2070	7.9621	0.0000	.9763	25.4000	0.0000	0.0000	0.0000	.0232	.0080
2071	10.0586	0.0000	.9741	25.4000	0.0000	0.0000	0.0000	.0253	.0082
2072	12.1770	0.0000	.9757	25.4000	0.0000	0.0000	0.0000	.0234	.0086
2073	14.3155	0.0000	.9738	25.4000	0.0000	0.0000	0.0000	.0251	.0093
2074	16.2267	0.0000	.9730	25.4000	0.0000	0.0000	0.0000	.0260	.0101
2075	18.2624	0.0000	.9715	25.4000	0.0000	0.0000	0.0000	.0271	.0107
2076	20.2512	0.0000	.9680	25.4000	0.0000	0.0000	0.0000	.0299	.0113
2077	21.6915	0.0000	.9683	25.4000	0.0000	0.0000	0.0000	.0293	.0115
2078	.0622	0.0000	.9750	25.4000	0.0000	0.0000	0.0000	.0251	.0081

TEST 995			RUN 125								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2064	.0407	.4532	.1095	.1036	.4532	.0769	.1036	.4532	.1013	.1036	1.0000
2065	-1.8316	.3240	.0983	.0348	.3240	.0671	.0348	.3240	.0902	.0348	1.0000
2066	.0692	.4594	.1101	.1067	.4594	.0786	.1067	.4594	.1019	.1067	1.0000
2067	1.9939	.5937	.1300	.1833	.5937	.0986	.1833	.5937	.1217	.1833	1.0000
2068	3.9418	.7268	.1712	.2665	.7268	.1393	.2665	.7268	.1627	.2665	1.0000
2069	5.9613	.8651	.2163	.3404	.8651	.1848	.3404	.8651	.2080	.3404	1.0000
2070	7.9621	1.0010	.2716	.4095	1.0010	.2405	.4095	1.0010	.2637	.4095	1.0000
2071	10.0586	1.1472	.3373	.4860	1.1472	.3038	.4860	1.1472	.3291	.4860	1.0000
2072	12.1770	1.2849	.4130	.5723	1.2849	.3810	.5723	1.2849	.4044	.5723	1.0000
2073	14.3155	1.3979	.4879	.6619	1.3979	.4535	.6619	1.3979	.4786	.6619	1.0000
2074	16.2267	1.4660	.5538	.7296	1.4660	.5178	.7296	1.4660	.5437	.7296	1.0000
2075	18.2624	1.5541	.6418	.8036	1.5541	.6040	.8036	1.5541	.6311	.8036	1.0000
2076	20.2512	1.6583	.7423	.8774	1.6583	.7811	.8774	1.6583	.7310	.8774	1.0000
2077	21.6915	1.7427	.8215	.9297	1.7427	.7807	.9297	1.7427	.8100	.9297	1.0000
2078	.0622	.4607	.1178	.1095	.4607	.0846	.1095	.4607	.1096	.1095	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 126									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2079	.166	1905	.06	-.00	99044	.4611	.1185	.1076	-.0009	.0005	-.0022
2080	.166	1909	.06	-.00	99038	.4518	.1176	.1101	-.0009	.0006	-.0033
2081	.167	1929	.10	-.00	99014	1.2883	-1.4471	-.3267	-.0038	.0006	.0059
2082	.167	1929	-1.77	.00	99014	1.1143	-1.4654	-.3922	-.0045	-.0015	-.0128
1	.167	1925	.13	.00	99017	1.2816	-1.4139	-.3210	-.0050	-.0011	-.0130
2	.167	1935	2.05	.00	99007	1.4647	-1.4153	-.2470	-.0049	-.0010	-.0130
3	.165	1892	4.01	.00	99044	1.6483	-1.4664	-.1707	-.0029	-.0018	-.0107
4	.166	1902	6.02	.00	99034	1.7828	-1.4521	-.0730	-.0024	-.0014	-.0117
5	.166	1899	8.05	.00	99034	1.9656	-1.4419	.0358	-.0026	-.0015	-.0121
6	.167	1925	10.12	.00	99004	2.1312	-1.4174	.1404	-.0037	-.0026	-.0329
7	.166	1915	12.22	.00	99007	2.3381	-1.4320	.1787	-.0045	-.0007	-.0149
8	.166	1905	14.32	.00	99017	2.5234	-1.4428	.2422	-.0045	-.0012	-.0161
9	.166	1919	16.33	.00	98997	2.7134	-1.4294	.3197	-.0041	-.0009	-.0144
10	.166	1909	18.34	.00	99007	2.9389	-1.4429	.3884	-.0050	-.0009	-.0126
11	.166	1909	20.35	.00	99004	3.1312	-1.4541	.4677	-.0046	-.0003	-.0166
12	.166	1919	21.83	.00	98997	3.2274	-1.4526	.5382	-.0024	-.0002	-.0192
13	.166	1899	.11	.00	99010	1.2966	-1.4676	-.3330	-.0048	-.0006	-.0153
14	.156	1912	.05	-.00	98977	.4607	.0998	.1861	-.0013	.0004	-.0032

TEST	995				RUN 126				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2079	.0578	.7658	.9747	25.4000	0.0000	0.0000	0.0000	.0253	.0082
2080	.0573	0.0000	.9748	25.4000	0.0000	0.0000	0.0000	.0251	.0081
2081	.1046	28.7801	2.9481	25.4000	1.8332	1.5926	.2611	-1.9173	.0199
2082	-1.7700	28.9301	2.9631	25.4000	1.8485	1.6061	.2632	-1.9311	.0199
1	.1342	28.3069	2.9003	25.4000	1.7959	1.5602	.2558	-1.8735	.0197
2	2.0511	28.4889	2.9134	25.4000	1.8029	1.5665	.2566	-1.8754	.0202
3	4.0145	28.7170	2.9383	25.4000	1.8641	1.6197	.2654	-1.9402	.0207
4	6.0217	28.6726	2.9389	25.4000	1.8492	1.6064	.2635	-1.9245	.0211
5	8.0483	28.6791	2.9335	25.4000	1.8525	1.6095	.2638	-1.9140	.0219
6	10.1232	28.7721	2.9420	25.4000	1.8333	1.5927	.2612	-1.8846	.0232
7	12.2200	28.7469	2.9367	25.4000	1.8397	1.5984	.2620	-1.8756	.0233
8	14.3217	28.7454	2.9381	25.4000	1.8483	1.6058	.2633	-1.8706	.0238
9	16.3288	28.7038	2.9301	25.4000	1.8383	1.5981	.2608	-1.8321	.0248
10	18.3432	28.7088	2.9274	25.4000	1.8408	1.5995	.2620	-1.8191	.0260
11	20.3461	28.7768	2.9355	25.4000	1.8464	1.6042	.2629	-1.8044	.0275
12	21.8348	28.8043	2.9369	25.4000	1.8380	1.5968	.2618	-1.7784	.0290
13	.1060	28.7816	2.9338	25.4000	1.8553	1.6119	.2643	-1.9330	.0282
14	.0463	0.0000	.9651	25.4000	0.0000	0.0000	0.0000	.0346	.0082

TEST	995	RUN 126									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2079	.0578	.4610	.1189	.1076	.4610	.0855	.1076	.4610	.1107	.1076	1.0000
2080	.0573	.4509	.1181	.1101	.4509	.0849	.1101	.4509	.1100	.1101	1.0000
2081	.1046	1.2910	-1.4447	-.3267	1.2876	.3685	-.1199	1.2909	-1.4115	-.3287	1.0000
2082	-1.7700	1.0685	-1.4991	-.3922	1.1256	.3286	-.1837	1.0706	-1.4506	-.3845	1.0000
1	.1342	1.2849	-1.4109	-.3210	1.2887	.3652	-.1184	1.2848	-1.4148	-.3192	1.0000
2	2.0511	1.5144	-1.3620	-.2470	1.4499	.4196	-.0436	1.5136	-1.3593	-.2445	1.0000
3	4.0145	1.7389	-1.3480	-.1707	1.6084	.4909	.0396	1.7330	-1.2848	-.1612	1.0000
4	6.0217	1.9253	-1.2571	-.0730	1.7314	.5608	.1357	1.9181	-1.2094	-.0652	1.0000
5	8.0483	2.1481	-1.1525	.0358	1.8888	.6598	.2448	2.1380	-1.1027	.0440	1.0000
6	10.1232	2.3472	-1.0207	.1404	2.0250	.7608	.3473	2.3378	-.9914	.1464	1.0000
7	12.2200	2.5883	-.9046	.1787	2.1989	.8781	.3862	2.5756	-.8695	.1854	1.0000
8	14.3217	2.8019	-.7737	.2422	2.3447	.9933	.4507	2.7850	-.7314	.2499	1.0000
9	16.3288	3.0058	-.6089	.3197	2.4912	1.1228	.5262	2.9917	-.5854	.3254	1.0000
10	18.3432	3.2437	-.4447	.3884	2.6643	1.2766	.5960	3.2245	-.4129	.3952	1.0000
11	20.3461	3.4414	-.2747	.4677	2.7994	1.4291	.6760	3.4183	-.2399	.4751	1.0000
12	21.8348	3.5361	-.1480	.5382	2.8525	1.5292	.7456	3.5145	-.1231	.5447	1.0000
13	.1060	1.2993	-1.4652	-.3330	1.2959	.3699	-.1236	1.2992	-1.4101	-.3245	1.0000
14	.0463	.4606	.1002	.1061	.4606	.0574	.1061	.4606	.0920	.1061	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 127									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2100	.166	.1899	.03	-.00	.98916	.4692	.0773	.0106	-.0016	.0007	-.0022
2101	.167	.1932	-1.85	-.00	.98902	.3247	.0752	-.0721	-.0011	.0004	-.0027
2102	.167	.1942	.06	-.00	.98899	.4672	.0760	.0128	-.0013	.0008	-.0016
2103	.167	.1929	1.97	-.00	.98875	.6164	.0786	.0970	-.0015	.0006	.0013
2104	.168	.1958	3.93	-.00	.98903	.7401	.0742	.1751	-.0014	.0004	.0011
2105	.166	.1899	5.93	-.00	.98919	.9028	.0718	.2626	-.0012	-.0000	-.0003
2106	.166	.1912	7.98	.00	.98986	1.0606	.0662	.3449	-.0016	-.0015	-.0013
2107	.166	.1902	10.04	-.00	.98922	1.1960	.0645	.4188	.0017	.0005	-.0005
2108	.166	.1902	12.15	-.00	.98912	1.3514	.0568	.4952	-.0003	.0006	-.0004
2109	.167	.1932	14.23	-.00	.98933	1.4842	.0514	.5712	-.0001	.0006	.0012
2110	.166	.1915	16.24	-.00	.98916	1.6531	.0478	.6705	-.0007	.0005	.0011
2111	.166	.1905	18.24	-.00	.98933	1.7883	.0440	.7593	-.0004	.0007	.0017
2112	.168	.1948	20.24	-.00	.98896	1.9093	.0357	.8387	.0003	.0008	.0047
2113	.167	.1938	21.71	-.00	.98896	2.0112	.0320	.8992	.0006	.0011	.0048
2114	.169	.1971	.04	-.00	.98872	.4578	.0808	.0132	-.0008	.0008	-.0035

TEST	995	RUN 127							
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2100	.0320	.0580	.9764	25.4000	0.0000	0.0000	0.0000	.0236	.0080
2101	-1.8450	.0411	.9759	25.4000	0.0000	0.0000	0.0000	.0236	.0060
2102	.0605	.0580	.9763	25.4000	0.0000	0.0000	0.0000	.0232	.0079
2103	1.9749	.0408	.9754	25.4000	0.0000	0.0000	0.0000	.0241	.0080
2104	3.9347	.0408	.9754	25.4000	0.0000	0.0000	0.0000	.0237	.0078
2105	5.9270	.0408	.9760	25.4000	0.0000	0.0000	0.0000	.0238	.0079
2106	7.9763	.0584	.9736	25.4000	0.0000	0.0000	0.0000	.0259	.0078
2107	10.0389	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0241	.0080
2108	12.1509	.0411	.9750	25.4000	0.0000	0.0000	0.0000	.0244	.0081
2109	14.2335	.0411	.9744	25.4000	0.0000	0.0000	0.0000	.0244	.0081
2110	16.2394	.0411	.9750	25.4000	0.0000	0.0000	0.0000	.0238	.0084
2111	18.2422	.0406	.9731	25.4000	0.0000	0.0000	0.0000	.0254	.0085
2112	20.2411	.0585	.9709	25.4000	0.0000	0.0000	0.0000	.0266	.0087
2113	21.7135	.0581	.9704	25.4000	0.0000	0.0000	0.0000	.0269	.0091
2114	.0441	.0581	.9736	25.4000	0.0000	0.0000	0.0000	.0254	.0078

TEST	995	RUN 127									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2100	.0320	.4691	.0776	.0106	.4691	.0468	.0106	.4691	.0695	.0186	1.0000
2101	-1.8450	.3270	.0647	-.0721	.3270	.0331	-.0721	.3270	.0567	-.0721	1.0000
2102	.0605	.4671	.0765	.0128	.4671	.0454	.0128	.4671	.0686	.0128	1.0000
2103	1.9749	.6133	.0998	.0970	.6133	.0677	.0970	.6133	.0918	.0970	1.0000
2104	3.9347	.7332	.1248	.1751	.7332	.0933	.1751	.7332	.1170	.1751	1.0000
2105	5.9270	.8905	.1647	.2626	.8905	.1329	.2626	.8905	.1567	.2626	1.0000
2106	7.9763	1.0412	.2128	.3449	1.0412	.1790	.3449	1.0412	.2049	.3449	1.0000
2107	10.0389	1.1665	.2720	.4188	1.1665	.2399	.4188	1.1665	.2640	.4188	1.0000
2108	12.1509	1.3091	.3400	.4952	1.3091	.3075	.4952	1.3091	.3319	.4952	1.0000
2109	14.2335	1.4260	.4148	.5712	1.4260	.3823	.5712	1.4260	.4667	.5712	1.0000
2110	16.2394	1.5738	.5082	.6705	1.5738	.4760	.6705	1.5738	.4998	.6705	1.0000
2111	18.2422	1.6846	.6016	.7593	1.6846	.5677	.7593	1.6846	.5931	.7593	1.0000
2112	20.2411	1.7790	.6941	.8387	1.7790	.6588	.8387	1.7790	.6854	.8387	1.0000
2113	21.7135	1.8567	.7738	.8992	1.8567	.7378	.8992	1.8567	.7647	.8992	1.0000
2114	.0441	.4578	.0811	.0132	.4578	.0479	.0132	.4578	.0733	.0132	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		128					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2115	.168	1945	.34	-.00	98875	.4664	.0807	.0122	-.0027	.0009	-.0040
2116	.169	1988	.03	-.00	98862	.4485	.0792	.0155	-.0013	.0009	-.0021
2117	.167	1922	.08	.00	98943	1.2711	-1.4813	-.4143	-.0030	.0046	-.0247
2118	.166	1919	-1.79	.00	98943	1.1007	-1.4970	-.4916	-.0026	.0044	-.0192
2119	.164	1853	.12	.00	98973	1.3125	-1.5584	-.4307	-.0033	.0047	-.0242
2120	.167	1922	2.63	.00	98929	1.4290	-1.4830	-.3358	-.0028	.0048	-.0224
2121	.166	1909	3.99	.00	98950	1.5739	-1.5811	-.2607	-.0027	.0043	-.0229
2122	.166	1899	6.00	.00	98953	1.7526	-1.5052	-.1721	-.0023	.0042	-.0243
2123	.165	1892	8.01	.00	98953	1.9216	-1.5204	-.0929	-.0032	.0043	-.0225
2124	.165	1889	10.10	.00	98959	2.0864	-1.5257	-.0162	-.0026	.0042	-.0223
2125	.165	1886	12.20	.00	98953	2.2829	-1.5333	.0578	-.0014	.0044	-.0222
2126	.165	1889	14.30	.00	98936	2.5100	-1.5352	.1305	-.0024	.0044	-.0202
2127	.166	1909	16.30	.00	98946	2.6637	-1.5384	.2041	-.0015	.0047	-.0185
2128	.167	1942	18.30	.00	98906	2.8326	-1.5228	.2939	-.0012	.0045	-.0220
2129	.166	1919	20.32	.00	98940	3.0118	-1.5537	.3693	-.0014	.0046	-.0228
2130	.166	1899	21.70	.00	98946	3.1573	-1.5757	.4267	-.0017	.0042	-.0254
2131	.166	1912	.09	.00	98929	1.2731	-1.5109	-.4177	-.0030	.0045	-.0235
2132	.165	1882	.04	-.00	98939	.4601	.0615	.0099	-.0021	.0005	-.0020

TEST		995		RUN		128					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2115	.0373	1.3117	.9731	25.4000	0.0000	0.0000	0.0000	.0262	.0079		
2116	.0323	.0611	.9719	25.4000	0.0000	0.0000	0.0000	.0268	.0077		
2117	.0774	28.5721	2.9170	25.4000	1.8273	1.5877	.2601	-1.8918	.0209		
2118	-1.7911	28.7492	2.9332	25.4000	1.8455	1.6035	.2627	-1.9102	.0210		
2119	.1234	28.8208	2.9393	25.4000	1.9167	1.6653	.2729	-1.9861	.0216		
2120	2.0336	28.6215	2.9162	25.4000	1.8288	1.5890	.2604	-1.8896	.0215		
2121	3.9911	28.6484	2.9173	25.4000	1.8432	1.6016	.2623	-1.9007	.0219		
2122	6.0047	28.7065	2.9204	25.4000	1.8557	1.6123	.2642	-1.9079	.0226		
2123	8.0052	28.6623	2.9219	25.4000	1.8682	1.6163	.2648	-1.9079	.0235		
2124	10.1033	28.7557	2.9289	25.4000	1.8788	1.6255	.2663	-1.9071	.0240		
2125	12.1995	28.7664	2.9292	25.4000	1.8731	1.6274	.2668	-1.8969	.0247		
2126	14.2968	28.7822	2.9264	25.4000	1.8701	1.6248	.2663	-1.8743	.0249		
2127	16.2983	28.8411	2.9314	25.4000	1.8555	1.6122	.2642	-1.8422	.0247		
2128	18.3030	28.8728	2.9366	25.4000	1.8262	1.5866	.2601	-1.7953	.0256		
2129	20.3247	28.9312	2.9393	25.4000	1.8531	1.6101	.2639	-1.7978	.0269		
2130	21.7008	28.9257	2.9402	25.4000	1.8721	1.6266	.2666	-1.8007	.0280		
2131	.0887	28.9272	2.9365	25.4000	1.8578	1.6141	.2646	-1.9207	.0212		
2132	.0381	0.0000	.9663	25.4000	0.0000	0.0000	0.0000	.0340	.0078		

TEST		995		RUN		128					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2115	.0373	.4664	.0810	.0122	.4664	.0469	.0122	.4664	.0731	.0122	1.0000
2116	.0323	.4484	.0794	.0155	.4484	.0449	.0155	.4484	.0717	.0155	1.0000
2117	.0774	1.2731	-1.4796	-.4143	1.2706	.3268	-.2082	1.2731	-1.4532	-.4090	1.0000
2118	-1.7911	1.0534	-1.5306	-.4916	1.1111	.2930	-.2834	1.0554	-1.4862	-.4842	1.0000
2119	.1234	1.3159	-1.5556	-.4307	1.3118	.3395	-.2145	1.3156	-1.4405	-.4153	1.0000
2120	2.0336	1.4807	-1.4314	-.3358	1.4158	.3748	-.1294	1.4790	-1.4841	-.3303	1.0000
2121	3.9911	1.6745	-1.3879	-.2607	1.5463	.4289	-.0527	1.6701	-1.3467	-.2535	1.0000
2122	6.0047	1.9004	-1.3136	-.1721	1.7063	.5093	-.0372	1.8925	-1.2609	-.1636	1.0000
2123	8.0052	2.1146	-1.2380	-.0929	1.8556	.5806	-.1169	2.1035	-1.1821	-.0839	1.0000
2124	10.1033	2.3217	-1.1360	-.0162	1.9936	.6817	-.1949	2.3058	-1.0707	-.0059	1.0000
2125	12.1995	2.5554	-1.0163	.0578	2.1596	.7898	-.2691	2.5357	-.9580	.0683	1.0000
2126	14.2968	2.8114	-.8678	.1305	2.3496	.9195	-.3415	2.7891	-.8054	.1406	1.0000
2127	16.2983	2.9884	-.7290	.2041	2.4676	1.0272	-.4134	2.9672	-.6813	.2126	1.0000
2128	18.3030	3.1675	-.5562	.2939	2.5940	1.1520	-.4999	3.1530	-.5380	.2991	1.0000
2129	20.3247	3.3640	-.4108	.3693	2.7203	1.3000	-.5784	3.3386	-.3692	.3776	1.0000
2130	21.7008	3.5161	-.2966	.4267	2.8239	1.4149	-.6379	3.4820	-.2390	.4371	1.0000
2131	.0887	1.2754	-1.5090	-.4177	1.2725	.3277	-.2081	1.2753	-1.4523	-.4089	1.0000
2132	.0381	.4600	.0618	.0099	.4600	.0200	.0099	.4600	.0539	.0099	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	RUN 129					
						CNF	CAF	CPH	CRM,B	CYM,B	CSF
2135	.167	1919	.01	-.00	98818	.3755	.0743	-.2213	-.0014	.0005	.0006
2136	.166	1899	-1.87	-.00	98838	.2337	.0861	-.3021	-.0021	-.0001	-.0019
2137	.166	1909	.07	-.00	98828	.3811	.0735	-.2203	-.0018	.0004	-.0004
2138	.166	1912	1.95	-.00	98841	.5183	.0616	-.1371	-.0017	.0002	-.0005
2139	.165	1879	3.92	-.00	98854	.6715	.0469	-.0566	-.0010	-.0003	.0026
2140	.164	1866	5.92	-.00	98871	.8213	.0302	.0217	-.0000	-.0010	-.0004
2141	.166	1909	7.96	-.00	98824	.9820	.0142	.0985	-.0005	.0003	.0039
2142	.165	1886	10.01	.00	98851	1.1386	-.0004	.1860	-.0007	-.0003	-.0061
2143	.164	1872	12.12	-.00	98861	1.2695	-.0119	.2844	-.0003	.0003	.0043
2144	.165	1886	14.20	-.00	98841	1.4033	-.0189	.3822	-.0009	.0004	.0030
2145	.166	1899	16.21	-.00	98824	1.5195	-.0253	.4695	-.0013	.0001	.0038
2146	.165	1886	18.22	-.00	98844	1.6263	-.0315	.5550	-.0009	.0001	.0043
2147	.165	1886	20.23	-.00	98844	1.7533	-.0396	.6472	.0013	.0004	.0032
2148	.166	1896	21.63	-.00	98831	1.8384	-.0446	.7131	.0013	.0007	.0036
2149	.167	1935	.03	-.00	98801	.3736	.0773	-.2174	-.0019	.0002	-.0004

TEST		995			RUN		129			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
2135	.0124	0.0000	.9772	25.4000	0.0000	0.0000	0.0000	.0225	.0076	
2136	-1.8749	0.0000	.9770	25.4000	0.0000	0.0000	0.0000	.0230	.0077	
2137	.0708	0.0000	.9768	25.4000	0.0000	0.0000	0.0000	.0230	.0076	
2138	1.9544	0.0000	.9763	25.4000	0.0000	0.0000	0.0000	.0235	.0074	
2139	3.9169	0.0000	.9764	25.4000	0.0000	0.0000	0.0000	.0238	.0075	
2140	5.9186	0.0000	.9770	25.4000	0.0000	0.0000	0.0000	.0233	.0073	
2141	7.9561	0.0000	.9764	25.4000	0.0000	0.0000	0.0000	.0232	.0074	
2142	10.0094	0.0000	.9764	25.4000	0.0000	0.0000	0.0000	.0234	.0075	
2143	12.1249	0.0000	.9761	25.4000	0.0000	0.0000	0.0000	.0236	.0077	
2144	14.2036	0.0000	.9756	25.4000	0.0000	0.0000	0.0000	.0238	.0080	
2145	16.2124	0.0000	.9737	25.4000	0.0000	0.0000	0.0000	.0252	.0082	
2146	18.2185	0.0000	.9729	25.4000	0.0000	0.0000	0.0000	.0259	.0083	
2147	20.2278	0.0000	.9718	25.4000	0.0000	0.0000	0.0000	.0266	.0086	
2148	21.6297	0.0000	.9704	25.4000	0.0000	0.0000	0.0000	.0275	.0088	
2149	.0312	0.0000	.9758	25.4000	0.0000	0.0000	0.0000	.0237	.0075	

TEST 995			RUN 129								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2135	.0124	.3754	.0744	-.2213	.3754	.0443	-.2213	.3754	.0669	-.2213	1.0000
2136	-1.8749	.2364	.0784	-.3021	.2364	.0477	-.3021	.2364	.0707	-.3021	1.0000
2137	.0708	.3810	.0740	-.2203	.3810	.0434	-.2203	.3810	.0664	-.2203	1.0000
2138	1.9544	.5159	.0793	-.1371	.5159	.0483	-.1371	.5159	.0718	-.1371	1.0000
2139	3.9169	.6667	.0926	-.0566	.6667	.0614	-.0566	.6667	.0851	-.0566	1.0000
2140	5.9186	.8138	.1148	.0217	.8138	.0842	.0217	.8138	.1075	.0217	1.0000
2141	7.9561	.9705	.1500	.0985	.9705	.1194	.0985	.9705	.1426	.0985	1.0000
2142	10.0094	1.1213	.1975	.1860	1.1213	.1666	.1860	1.1213	.1900	.1860	1.0000
2143	12.1249	1.2437	.2551	.2844	1.2437	.2237	.2844	1.2437	.2473	.2844	1.0000
2144	14.2036	1.3650	.3260	.3822	1.3650	.2943	.3822	1.3650	.3181	.3822	1.0000
2145	16.2124	1.4662	.3999	.4695	1.4662	.3665	.4695	1.4662	.3918	.4695	1.0000
2146	18.2185	1.5546	.4786	.5550	1.5546	.4443	.5550	1.5546	.4703	.5550	1.0000
2147	20.2278	1.6588	.5690	.6472	1.6588	.5338	.6472	1.6588	.5604	.6472	1.0000
2148	21.6297	1.7254	.6362	.7131	1.7254	.5999	.7131	1.7254	.6274	.7131	1.0000
2149	.0312	.3735	.0775	-.2174	.3735	.0463	-.2174	.3735	.0700	-.2174	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	RUN 130						
					P,INF N/(MXM)	CNF	CAF	GPH	CRM,B	CYM,B	CSF
2150	.166	1912	.02	-.00	98814	.3675	-.0773	-.2184	-.0018	.0002	-.0016
2151	.167	1919	.02	-.00	98791	.3746	-.0778	-.2182	-.0016	.0002	-.0005
2153	.166	1909	.06	.00	98797	1.1824	-1.4439	-.6418	-.0026	.0060	-.0290
2154	.166	1899	-1.81	.00	98807	1.0404	-1.4613	-.7210	-.0024	.0061	-.0235
2155	.166	1902	.10	.00	98800	1.2031	-1.4892	-.6462	-.0027	.0063	-.0299
2156	.165	1892	2.00	.00	98817	1.3524	-1.4560	-.5586	-.0016	.0062	-.0261
2157	.165	1892	3.96	.00	98817	1.5035	-1.4468	-.4763	-.0014	.0048	-.0245
2158	.165	1886	5.97	.00	98824	1.6743	-1.4616	-.4021	-.0011	.0051	-.0378
2159	.166	1905	7.99	.00	98807	1.8605	-1.4745	-.3269	-.0008	.0047	-.0244
2160	.165	1892	10.08	.00	98804	2.0314	-1.5140	-.2467	-.0010	.0052	-.0248
2161	.166	1902	12.18	.00	98800	2.2043	-1.5328	-.1617	-.0006	.0054	-.0250
2162	.166	1909	14.28	.00	98794	2.4294	-1.5570	-.0882	-.0021	.0055	-.0237
2163	.167	1919	16.28	.00	98791	2.6565	-1.5832	-.0158	-.0018	.0058	-.0218
2164	.167	1919	18.29	.00	98787	2.8881	-1.6206	.0544	-.0019	.0057	-.0223
2165	.166	1905	20.26	.00	98801	3.1250	-1.6707	.1286	-.0012	.0061	-.0219
2166	.167	1919	21.79	.00	98804	3.2798	-1.6919	.1874	-.0003	.0056	-.0230
2167	.166	1909	.07	.00	98801	1.2054	-1.5204	-.6518	-.0027	.0061	-.0272
2168	.165	.886	-.00	-.00	98807	.3812	.0584	-.2213	-.0016	.0002	-.0004

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	RUN 130						
					CT	CHU,N	CHU,J	CO,N	CO,C		
2150	.0213	0.0000	.9760	25.4000	0.0000	0.0000	0.0000	.0238	.0075		
2151	.0172	0.0000	.9751	25.4000	0.0000	0.0000	0.0000	.0246	.0075		
2153	.0552	28.0738	2.8722	25.4000	1.7912	1.5560	.2553	-1.8577	.0213		
2154	-1.8081	28.2235	2.8868	25.4000	1.8145	1.5763	.2586	-1.8812	.0214		
2155	.0981	28.5039	2.9121	25.4000	1.8353	1.5944	.2616	-1.9039	.0218		
2156	2.0033	27.8762	2.8449	25.4000	1.7884	1.5537	.2548	-1.8458	.0215		
2157	3.9565	27.5438	2.8137	25.4000	1.7587	1.5279	.2505	-1.8114	.0216		
2158	5.9712	27.4713	2.8070	25.4000	1.7581	1.5274	.2505	-1.8056	.0220		
2159	7.9867	27.6812	2.8323	25.4000	1.7601	1.5292	.2587	-1.8037	.0229		
2160	10.0845	27.8748	2.8489	25.4000	1.7872	1.5525	.2548	-1.8221	.0239		
2161	12.1768	28.0637	2.8676	25.4000	1.7953	1.5597	.2558	-1.8178	.0244		
2162	14.2755	28.2456	2.8839	25.4000	1.8055	1.5686	.2572	-1.8115	.0248		
2163	16.2792	28.4235	2.9036	25.4000	1.8118	1.5740	.2581	-1.8036	.0253		
2164	18.2893	28.6066	2.9227	25.4000	1.8281	1.5882	.2605	-1.8019	.0261		
2165	20.2641	28.7620	2.9417	25.4000	1.8555	1.6120	.2644	-1.8106	.0275		
2166	21.7901	28.9752	2.9633	25.4000	1.8625	1.6182	.2652	-1.7997	.0282		
2167	.0659	28.9360	2.9532	25.4000	1.8647	1.6198	.2658	-1.9381	.0220		
2168	-.0035	0.0000	.9718	25.4000	0.0000	0.0000	0.0000	.0283	.0076		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
2150	.0213	.3675	-.0774	-.2184	.3675	.0462	-.2184	.3675	.0699	-.2184	1.0000
2151	.0172	.3745	-.0779	-.2182	.3745	.0458	-.2182	.3745	.0704	-.2182	1.0000
2153	.0552	1.1838	-1.4428	-.6410	1.1820	.3271	-.4389	1.1837	-1.4529	-.6397	1.0000
2154	-1.8081	.9938	-1.4934	-.7210	1.0510	.2987	-.5163	.9949	-1.4804	-.7172	1.0000
2155	.0981	1.2056	-1.4871	-.6462	1.2025	.3264	-.4391	1.2055	-1.4536	-.6400	1.0000
2156	2.0033	1.4024	-1.4078	-.5586	1.3399	.3580	-.3568	1.4021	-1.4210	-.5576	1.0000
2157	3.9565	1.5998	-1.3397	-.4763	1.4784	.3932	-.2779	1.6012	-1.3825	-.4787	1.0000
2158	5.9712	1.8173	-1.2795	-.4021	1.6344	.4470	-.2038	1.8195	-1.3233	-.4046	1.0000
2159	7.9867	2.0473	-1.2017	-.3269	1.8827	.5185	-.1284	2.0500	-1.2442	-.3292	1.0000
2160	10.0845	2.2651	-1.1349	-.2467	1.9522	.6008	-.0451	2.2639	-1.1517	-.2459	1.0000
2161	12.1768	2.4781	-1.0333	-.1617	2.0994	.6972	.0409	2.4748	-1.0427	-.1600	1.0000
2162	14.2755	2.7384	-.9059	-.0882	2.2932	.8158	.1155	2.7321	-.9100	-.0853	1.0000
2163	16.2792	2.9938	-.7751	-.0158	2.4859	.9388	.1886	2.9849	-.7699	-.0122	1.0000
2164	18.2893	3.2508	-.6324	.0544	2.6771	1.0773	.2607	3.2356	-.6128	.0599	1.0000
2165	20.2641	3.5102	-.4850	.1286	2.8676	1.2282	.3379	3.4841	-.4417	.1371	1.0000
2166	21.7901	3.6735	-.3535	.1874	2.9822	1.3478	.3975	3.6429	-.3051	.1967	1.0000
2167	.0659	1.2072	-1.5190	-.6518	1.2050	.3236	-.4415	1.2071	-1.4564	-.6423	1.0000
2168	-.0035	.3812	.0584	-.2213	.3812	.0225	-.2213	.3812	.0500	-.2213	1.0000

TEST

995

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL
131

POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2180	.166	1909	.01	-.00	98753	.4403	.0631	-.1159	-.0017	.0001	-.0044
2181	.166	1896	-1.87	-.00	98760	.2750	.0667	-.1810	-.0026	-.0001	-.0044
2182	.166	1905	.05	-.00	98753	.4294	.0622	-.1140	-.0008	-.0006	.0079
2183	.166	1896	1.96	-.00	98753	.5585	.0557	-.0386	-.0017	.0000	-.0040
2184	.166	1902	3.94	-.00	98753	.7094	.0453	.0412	-.0012	-.0001	-.0013
2185	.166	1905	5.94	-.00	98750	.8533	.0340	.1189	-.0005	-.0006	-.0024
2186	.165	1892	7.96	-.00	98746	1.0018	.0233	.1949	.0006	-.0005	-.0012
2187	.166	1909	10.03	-.00	98746	1.1500	.0156	.2766	-.0011	.0001	-.0025
2188	.166	1902	12.13	-.00	98750	1.2860	.0102	.3620	-.0010	.0001	-.0034
2189	.166	1905	14.21	-.00	98746	1.4188	.0073	.4389	-.0010	.0003	-.0044
2190	.165	1889	16.22	-.00	98760	1.5533	.0043	.5126	-.0010	.0001	-.0039
2191	.166	1905	18.22	-.00	98736	1.6881	-.0014	.5917	-.0015	.0001	-.0033
2192	.165	1892	20.22	-.00	98756	1.8209	-.0069	.6729	-.0011	.0001	-.0032
2193	.166	1905	21.87	-.00	98746	1.9200	-.0113	.7364	-.0010	.0019	.0082
2194	.166	1909	.02	.00	98733	.4297	.0665	-.1143	-.0007	.0003	-.0071

TEST

995

RUN 131

POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2180	.0138	0.0000	.9753	25.4000	0.0000	0.0000	0.0000	.0245	.0078
2181	-1.8717	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0244	.0680
2182	.0502	0.0000	.9747	25.4000	0.0000	0.0000	0.0000	.0251	.0079
2183	1.9638	0.0000	.9759	25.4000	0.0000	0.0000	0.0000	.0241	.0077
2184	3.9396	0.0000	.9754	25.4000	0.0000	0.0000	0.0000	.0244	.0077
2185	5.9369	0.0000	.9736	25.4000	0.0000	0.0000	0.0000	.0261	.0077
2186	7.9559	0.0000	.9762	25.4000	0.0000	0.0000	0.0000	.0236	.0077
2187	10.0278	0.0000	.9750	25.4000	0.0000	0.0000	0.0000	.0244	.0079
2188	12.1316	0.0000	.9741	25.4000	0.0000	0.0000	0.0000	.0252	.0082
2189	14.2115	0.0000	.9735	25.4000	0.0000	0.0000	0.0000	.0255	.0082
2190	16.2167	0.0000	.9720	25.4000	0.0000	0.0000	0.0000	.0270	.0084
2191	18.2181	0.0000	.9712	25.4000	0.0000	0.0000	0.0000	.0272	.0084
2192	20.2191	0.0000	.9707	25.4000	0.0000	0.0000	0.0000	.0275	.0085
2193	21.8653	0.0000	.9693	25.4000	0.0000	0.0000	0.0000	.0283	.0087
2194	.0248	0.0000	.9738	25.4000	0.0000	0.0000	0.0000	.0259	.0079

TEST

995

RUN 131

POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2180	.0138	.4403	.0632	-.1159	.4403	.0308	-.1159	.4403	.0553	-.1159	1.0000
2181	-1.8717	.2771	.0576	-.1810	.2771	.0252	-.1810	.2771	.0496	-.1810	1.0000
2182	.0502	.4293	.0625	-.1140	.4293	.0295	-.1140	.4293	.0547	-.1140	1.0000
2183	1.9638	.5563	.0748	-.0386	.5563	.0430	-.0386	.5563	.0671	-.0386	1.0000
2184	3.9396	.7046	.0939	.0412	.7046	.0618	.0412	.7046	.0863	.0412	1.0000
2185	5.9369	.8452	.1220	.1189	.8452	.0883	.1189	.8452	.1143	.1189	1.0000
2186	7.9559	.9890	.1617	.1949	.9890	.1305	.1949	.9890	.1540	.1949	1.0000
2187	10.0278	1.1297	.2156	.2766	1.1297	.1833	.2766	1.1297	.2077	.2766	1.0000
2188	12.1316	1.2552	.2802	.3620	1.2552	.2468	.3620	1.2552	.2720	.3620	1.0000
2189	14.2115	1.3736	.3554	.4389	1.3736	.3217	.4389	1.3736	.3472	.4389	1.0000
2190	16.2167	1.4903	.4379	.5126	1.4903	.4026	.5126	1.4903	.4295	.5126	1.0000
2191	18.2181	1.6039	.5264	.5917	1.6039	.4907	.5917	1.6039	.5180	.5917	1.0000
2192	20.2191	1.7110	.6228	.6729	1.7110	.5868	.6729	1.7110	.6143	.6729	1.0000
2193	21.8653	1.7861	.7045	.7364	1.7861	.6675	.7364	1.7861	.6958	.7364	1.0000
2194	.0248	.4297	.0667	-.1143	.4297	.0329	-.1143	.4297	.0588	-.1143	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 132							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2195	.166	1915	.02	.00	98736	.4237	.0653	-.1099	-.0010	.0003	-.0081
2196	.166	1912	.06	.00	98753	1.2463	-1.5109	-.5423	-.0025	.0052	-.0303
2197	.166	1912	-1.81	.00	98746	1.0821	-1.5293	-.6076	-.0028	.0059	-.0393
2198	.166	1912	.10	.00	98750	1.2543	-1.5468	-.5466	-.0030	.0048	-.0300
2199	.166	1912	2.02	.00	98750	1.3935	-1.4822	-.4638	-.0030	.0050	-.0300
2200	.167	1919	3.98	.00	98736	1.5518	-1.5253	-.3927	-.0034	.0041	-.0292
2201	.166	1909	5.98	.00	98743	1.7264	-1.5672	-.3208	-.0023	.0036	-.0292
2202	.166	1899	8.00	-.00	98750	1.9140	-1.6020	-.2547	-.0022	.0048	-.0098
2203	.166	1905	10.08	.00	98740	2.0659	-1.5166	-.1619	-.0026	.0047	-.0288
2204	.165	1886	12.19	.00	98753	2.2556	-1.5597	-.0890	-.0013	.0055	-.0325
2205	.166	1902	14.28	.00	98733	2.4401	-1.5734	-.0203	-.0019	.0049	-.0273
2206	.166	1896	16.28	.00	98739	2.6835	-1.6138	.0248	.0001	.0048	-.0278
2207	.165	1892	18.29	.00	98743	2.9170	-1.6328	.0890	-.0008	.0051	-.0297
2208	.166	1899	20.30	.00	98736	3.0943	-1.5707	.1812	-.0021	.0056	-.0314
2209	.166	1896	21.96	.00	98736	3.2693	-1.6837	.2485	-.0024	.0057	-.0356
2210	.167	1919	.08	.00	98702	1.2537	-1.5282	-.5429	-.0027	.0046	-.0302
2211	.166	1909	.02	-.00	98716	.4273	.0492	-.1170	-.0014	-.0000	-.0057

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 132							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2195	.0154	0.0000	.9741	25.4000	0.0000	0.0000	0.0000	.0256	.0079		
2196	.0590	28.6665	2.9323	25.4000	1.8429	1.6011	.2624	-1.9132	.0219		
2197	-1.8147	28.8700	2.9557	25.4000	1.8612	1.6168	.2653	-1.9352	.0217		
2198	.1012	29.0159	2.9668	25.4000	1.8745	1.6285	.2670	-1.9473	.0221		
2199	2.0168	28.2056	2.8869	25.4000	1.8036	1.5671	.2569	-1.8670	.0221		
2200	3.9757	28.6147	2.9287	25.4000	1.8340	1.5934	.2613	-1.8981	.0227		
2201	5.9755	28.8824	2.9548	25.4000	1.8671	1.6220	.2661	-1.9280	.0233		
2202	8.0026	29.0977	2.9771	25.4000	1.8969	1.6479	.2703	-1.9519	.0241		
2203	10.0792	28.1323	2.8820	25.4000	1.8051	1.5683	.2570	-1.8407	.0245		
2204	12.1918	28.3953	2.9078	25.4000	1.8472	1.6044	.2631	-1.8722	.0256		
2205	14.2792	28.6086	2.9263	25.4000	1.8508	1.6080	.2635	-1.8576	.0263		
2206	16.2841	28.8562	2.9559	25.4000	1.8807	1.6340	.2679	-1.8747	.0271		
2207	18.2942	28.8241	2.9379	25.4000	1.8774	1.6312	.2674	-1.8406	.0275		
2208	20.2953	28.0249	2.8707	25.4000	1.8020	1.5656	.2566	-1.7490	.0274		
2209	21.9595	28.2250	2.8893	25.4000	1.8227	1.5836	.2596	-1.7497	.0283		
2210	.0760	28.8352	2.9473	25.4000	1.8542	1.6108	.2642	-1.9204	.0220		
2211	.0245	0.0000	.9686	25.4000	0.0000	0.0000	0.0000	.0312	.0078		

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 132							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2195	.0154	.4237	.0654	-.1099	.4237	.0319	-.1099	.4237	.0575	-.1099	1.0000
2196	.0590	1.2479	-1.5097	-.5423	1.2460	.3113	-.3344	1.2478	-1.4687	-.5352	1.8000
2197	-1.8147	1.8331	-1.5628	-.6076	1.0920	.2757	-.3976	1.0357	-1.5034	-.5984	1.8000
2198	.1012	1.2570	-1.5446	-.5466	1.2537	.3078	-.3352	1.2569	-1.4722	-.5360	1.8000
2199	2.0168	1.4448	-1.4323	-.4638	1.3813	.3482	-.2603	1.4440	-1.4307	-.4611	1.8000
2200	3.9757	1.6538	-1.4141	-.3927	1.5267	.3929	-.1857	1.6501	-1.3828	-.3866	1.8000
2201	5.9755	1.8802	-1.3790	-.3208	1.6858	.4547	-.1182	1.8711	-1.3157	-.3110	1.8000
2202	8.0026	2.1184	-1.3200	-.2547	1.8543	.5343	-.0407	2.1021	-1.2284	-.2415	1.8000
2203	10.0792	2.2994	-1.1317	-.1619	1.9835	.6210	.0417	2.2950	-1.1315	-.1591	1.8000
2204	12.1918	2.5341	-1.0482	-.0890	2.1440	.7317	.1194	2.5199	-1.0082	-.0814	1.8000
2205	14.2792	2.7528	-.9229	-.0203	2.2963	.8443	.1865	2.7353	-.8807	-.0123	1.8000
2206	16.2841	3.0281	-.7959	.0248	2.5008	.9823	.2370	2.9999	-.7263	.0361	1.8000
2207	18.2942	3.2821	-.6347	.0890	2.6928	1.1203	.3089	3.2515	-.5697	.1000	1.8000
2208	20.2953	3.4470	-.3999	.1812	2.8220	1.2629	.3845	3.4394	-.4066	.1837	1.8000
2209	21.9595	3.6318	-.2647	.2485	2.9502	1.3974	.4541	3.6158	-.2535	.2533	1.8000
2210	.0760	1.2557	-1.5265	-.5429	1.2532	.3057	-.3337	1.2556	-1.4743	-.5346	1.8000
2211	.0245	.4272	.0494	-.1170	.4272	.0104	-.1170	.4272	.0416	-.1170	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	RUN 133								
			ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	SYM,B	CSF
2214	.166	1899	.02	-.00	98739	.2868	.0646	-.0644	-.0024	.0004	.0003
2215	.166	1896	-1.87	-.00	98746	.1227	.0565	-.1273	-.0020	-.0002	-.0025
2216	.166	1909	.05	-.00	98729	.2903	.0541	-.0626	-.0016	.0001	-.0024
2217	.166	1899	1.95	-.00	98739	.4253	.0488	.0072	-.0021	-.0000	-.0008
2218	.166	1905	3.92	-.00	98733	.5703	.0411	.0846	-.0024	-.0002	-.0013
2219	.166	1912	5.91	-.00	98723	.7214	.0301	.1626	-.0016	-.0006	.0035
2220	.165	1886	7.93	-.00	98756	.8807	.0184	.2394	-.0014	-.0005	.0038
2221	.166	1905	10.03	-.00	98740	1.0316	.0094	.3175	-.0017	-.0001	.0031
2222	.166	1896	12.12	-.00	98750	1.1823	.0026	.3927	-.0018	-.0002	.0020
2223	.166	1912	14.21	-.00	98733	1.3316	-.0017	.4676	-.0021	.0001	.0000
2224	.166	1899	16.22	-.00	98750	1.4594	-.0074	.5360	-.0019	-.0000	.0017
2225	.166	1902	18.24	-.00	98746	1.5988	-.0147	.6137	-.0015	-.0001	.0006
2226	.166	1905	20.23	-.00	98743	1.7459	-.0202	.6991	-.0018	.0005	.0024
2227	.166	1899	21.99	-.00	98746	1.8622	-.0277	.7707	-.0018	.0007	.0004
2228	.166	1909	.03	-.00	98736	.2904	.0582	-.0640	-.0024	-.0004	-.0035

NASA LANGLEY											
TEST 995			RUN 133								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	RUN 133						
					CT	CMU,N	CMU,J	CD,N	CD,C		
2214	.0156	0.0000	.9753	25.4000	0.0000	0.0000	0.0000	.0246	.0079		
2215	-1.8668	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0244	.0080		
2216	.0485	0.0000	.9751	25.4000	0.0000	0.0000	0.0000	.0247	.0079		
2217	1.9490	0.0000	.9754	25.4000	0.0000	0.0000	0.0000	.0245	.0079		
2218	3.9211	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0243	.0078		
2219	5.9083	0.0000	.9756	25.4000	0.0000	0.0000	0.0000	.0240	.0078		
2220	7.9306	0.0000	.9762	25.4000	0.0000	0.0000	0.0000	.0236	.0079		
2221	10.0338	0.0000	.9753	25.4000	0.0000	0.0000	0.0000	.0242	.0081		
2222	12.1241	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0239	.0083		
2223	14.2131	0.0000	.9741	25.4000	0.0000	0.0000	0.0000	.0248	.0083		
2224	16.2210	0.0000	.9741	25.4000	0.0000	0.0000	0.0000	.0248	.0084		
2225	18.2404	0.0000	.9737	25.4000	0.0000	0.0000	0.0000	.0248	.0084		
2226	20.2277	0.0000	.9729	25.4000	0.0000	0.0000	0.0000	.0252	.0085		
2227	21.9868	0.0000	.9719	25.4000	0.0000	0.0000	0.0000	.0260	.0086		
2228	.0345	0.0000	.9755	25.4000	0.0000	0.0000	0.0000	.0243	.0079		

NASA LANGLEY											
TEST 995			RUN 133								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 133					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2214	.0156	.2868	.0647	-.0644	.2868	.0321	-.0644	.2868	.0568	-.0644	1.0000
2215	-1.8668	.1245	.0525	-.1273	.1245	.0201	-.1273	.1245	.0445	-.1273	1.0000
2216	.0485	.2902	.0543	-.0626	.2902	.0217	-.0626	.2902	.0464	-.0626	1.0000
2217	1.9490	.4233	.0632	.0072	.4233	.0309	.0072	.4233	.0554	.0072	1.0000
2218	3.9211	.5662	.0800	.0846	.5662	.0480	.0846	.5662	.0722	.0846	1.0000
2219	5.9083	.7145	.1042	.1626	.7145	.0724	.1626	.7145	.0964	.1626	1.0000
2220	7.9306	.8697	.1397	.2394	.8697	.1082	.2394	.8697	.1318	.2394	1.0000
2221	10.0338	1.0142	.1890	.3175	1.0142	.1568	.3175	1.0142	.1810	.3175	1.0000
2222	12.1241	1.1554	.2509	.3927	1.1554	.2187	.3927	1.1554	.2426	.3927	1.0000
2223	14.2131	1.2913	.3253	.4676	1.2913	.2921	.4676	1.2913	.3169	.4676	1.0000
2224	16.2210	1.4034	.4006	.5380	1.4034	.3673	.5380	1.4034	.3921	.5380	1.0000
2225	18.2404	1.5231	.4865	.6137	1.5231	.4532	.6137	1.5231	.4781	.6137	1.0000
2226	20.2277	1.6452	.5847	.6991	1.6452	.5510	.6991	1.6452	.5762	.6991	1.0000
2227	21.9868	1.7371	.6715	.7707	1.7371	.6369	.7707	1.7371	.6628	.7707	1.0000
2228	.0345	.2903	.0583	-.0640	.2903	.0262	-.0640	.2903	.0504	-.0640	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 134									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P, INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2229	.166	1902	.02	-.00	98733	.2807	.0550	-.0603	-.0016	-.0001	-.0024
2230	.166	1902	.06	.00	98712	1.0781	-1.4879	-.4769	-.0042	-.0052	-.0267
2231	.166	1896	-1.83	.00	98712	.9122	-1.5305	-.5480	-.0042	-.0052	-.0290
2232	.166	1899	.10	.00	98709	1.0913	-1.5521	-.4876	-.0035	-.0052	-.0289
2233	.166	1909	2.02	.00	98702	1.2645	-1.5666	-.4216	-.0035	-.0049	-.0284
2234	.166	1912	3.57	.00	98699	1.3885	-1.4855	-.3291	-.0042	-.0045	-.0260
2235	.166	1899	5.97	.00	98716	1.5332	-1.4612	-.2426	-.0026	-.0033	-.0269
2236	.166	1896	8.00	.00	98719	1.6937	-1.4504	-.1650	-.0019	-.0033	-.0259
2237	.166	1896	10.07	.00	98719	1.8782	-1.4288	-.0792	-.0021	-.0032	-.0235
2238	.167	1932	12.20	.00	98679	2.1025	-1.5273	-.0385	-.0010	-.0054	-.0274
2239	.167	1925	14.28	.00	98689	2.2971	-1.5615	.0295	-.0028	-.0052	-.0268
2240	.166	1909	16.28	.00	98702	2.5405	-1.6176	.0696	-.0013	-.0049	-.0249
2241	.166	1912	18.29	.00	98702	2.7708	-1.6524	.1303	-.0023	-.0046	-.0267
2242	.167	1915	20.32	.00	98699	2.9548	-1.6047	.2232	-.0029	-.0043	-.0266
2243	.166	1905	22.01	.00	98706	3.1449	-1.6048	.2882	-.0041	-.0058	-.0293
2244	.166	1896	.07	.00	98699	1.0898	-1.5451	-.4859	-.0044	-.0050	-.0287
2245	.166	1899	.03	-.00	98699	.2918	-.0418	-.0655	-.0031	-.0002	-.0027

TEST	995	RUN 134									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2229	.0224	.0931	.9756	25.4000	0.0000	0.0000	0.0000	.0242	.0077		
2230	.0624	28.2172	2.8890	25.4000	1.8104	1.5728	.2579	-1.8792	.0222		
2231	-1.8251	28.5962	2.9297	25.4000	1.8552	1.6119	.2642	-1.9255	.0222		
2232	.1002	28.8679	2.9543	25.4000	1.8758	1.6296	.2672	-1.9476	.0227		
2233	2.0179	28.9968	2.9710	25.4000	1.8786	1.6321	.2677	-1.9526	.0231		
2234	3.9692	27.9569	2.8609	25.4000	1.7828	1.5490	.2538	-1.8370	.0230		
2235	5.9691	27.3767	2.8073	25.4000	1.7437	1.5150	.2483	-1.7914	.0229		
2236	7.9956	27.1182	2.7773	25.4000	1.7218	1.4959	.2453	-1.7571	.0235		
2237	10.0734	26.7349	2.7367	25.4000	1.6870	1.4656	.2403	-1.7072	.0241		
2238	12.1968	28.2872	2.9018	25.4000	1.7943	1.5588	.2557	-1.8203	.0260		
2239	14.2840	28.5211	2.9233	25.4000	1.8221	1.5831	.2595	-1.8315	.0271		
2240	16.2833	28.8568	2.9554	25.4000	1.8669	1.6219	.2660	-1.8606	.0278		
2241	18.2935	29.1075	2.9814	25.4000	1.8874	1.6399	.2688	-1.8617	.0283		
2242	20.3164	29.8466	2.9757	25.4000	1.9329	1.6794	.2752	-1.8303	.0284		
2243	22.0067	28.1762	2.8886	25.4000	1.8094	1.5720	.2578	-1.7389	.0289		
2244	.0745	28.7118	2.9420	25.4000	1.8677	1.6226	.2661	-1.9385	.0226		
2245	.0276	0.0000	.9693	25.4000	0.0000	0.0000	0.0000	.0306	.0079		

TEST	995	RUN 134									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2229	.0224	.2807	.0551	-.0603	.2807	.0231	-.0603	.2807	.0474	-.0603	1.0000
2230	.0624	1.0797	-1.4867	-.4769	1.0777	.3015	-.2726	1.0797	-1.4785	-.4735	1.0000
2231	-1.8251	.8630	-1.5588	-.5480	.9221	.2733	-.3387	.8654	-1.5058	-.5395	1.0000
2232	.1002	1.0940	-1.5502	-.4876	1.0907	.3029	-.2759	1.0938	-1.4771	-.4768	1.0000
2233	2.0179	1.3189	-1.5211	-.4216	1.2527	.3332	-.2097	1.3154	-1.4457	-.4105	1.0000
2234	3.9692	1.4880	-1.3859	-.3291	1.3646	.3697	-.1280	1.4878	-1.4061	-.3288	1.0000
2235	5.9691	1.6768	-1.2939	-.2426	1.4955	.4175	-.0459	1.6806	-1.3529	-.2467	1.0000
2236	7.9956	1.8790	-1.2027	-.1650	1.6395	.4809	.0293	1.8871	-1.2818	-.1715	1.0000
2237	10.0734	2.0992	-1.0783	-.0792	1.8041	.5586	.1111	2.1154	-1.1939	-.0897	1.0000
2238	12.1968	2.3777	-1.0487	-.0305	1.9986	.6791	.1719	2.3747	-1.0608	-.0289	1.0000
2239	14.2840	2.6114	-.9464	.0295	2.1618	.7922	.2351	2.6010	-.9327	.0343	1.0000
2240	16.2833	2.8921	-.8404	.0696	2.3687	.9237	.2802	2.8678	-.7849	.0794	1.0000
2241	18.2935	3.1494	-.6992	.1303	2.5570	1.0645	.3432	3.1157	-.6256	.1424	1.0000
2242	20.3164	3.3282	-.4790	.2232	2.6571	1.3053	.4413	3.2751	-.3639	.2405	1.0000
2243	22.0067	3.5171	-.3094	.2882	2.8391	1.3392	.4923	3.5060	-.3111	.2915	1.0000
2244	.0745	1.0918	-1.5437	-.4859	1.0894	.3014	-.2752	1.0917	-1.4786	-.4760	1.0000
2245	.0276	.2918	-.0419	-.0655	.2918	.0834	-.0655	.2918	.0340	-.0655	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(AXM)	ALPHA DEG	BETA DEG	P-INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2257	.166	1912	.01	-.00	98682	.2899	.0575	-.0748	-.0014	.0000	.0043
2258	.166	1899	-1.87	-.00	98692	.1648	.0612	-.1095	-.0020	.0002	.0009
2259	.166	1912	.06	-.00	98682	.2911	.0574	-.0738	-.0014	.0001	.0031
2260	.167	1919	1.95	-.00	98675	.4157	.0532	-.0401	-.0017	.0001	.0056
2261	.166	1909	3.90	-.00	98685	.5489	.0427	-.0043	-.0020	-.0003	.0044
2262	.165	1892	5.90	-.00	98702	.6812	.0290	.0353	-.0010	-.0007	.0052
2263	.165	1892	7.92	-.00	98702	.8103	.0188	.0745	-.0015	-.0001	.0039
2264	.166	1899	9.99	-.00	98695	.9365	.0136	.1108	-.0018	-.0002	.0052
2265	.166	1896	12.09	-.00	98695	1.0456	.0131	.1511	-.0020	-.0002	.0050
2266	.166	1902	14.19	-.00	98692	1.1370	.0153	.2020	-.0014	.0003	.0056
2267	.166	1899	16.17	-.00	98689	1.2304	.0399	.2090	-.0008	-.0004	.0050
2268	.166	1902	18.17	-.00	98692	1.3679	.0419	.2423	-.0013	.0000	.0052
2269	.166	1896	20.16	-.00	98699	1.4979	.0381	.2893	-.0003	.0001	.0062
2270	.166	1899	21.91	-.00	98695	1.6151	.0296	.3297	-.0011	.0007	.0047
2271	.165	1889	.01	.00	98699	.2935	.0635	-.0745	-.0010	.0002	-.0005

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2257	.0128	0.0000	.9753	25.4000	0.0000	0.0000	0.0000	.0245	.0079		
2258	-1.8713	0.0000	.9735	25.4000	0.0000	0.0000	0.0000	.0264	.0081		
2259	.0594	0.0000	.9754	25.4000	0.0000	0.0000	0.0000	.0243	.0079		
2260	1.9499	0.0000	.9757	25.4000	0.0000	0.0000	0.0000	.0239	.0077		
2261	3.9001	0.0000	.9757	25.4000	0.0000	0.0000	0.0000	.0241	.0075		
2262	5.8987	0.0000	.9747	25.4000	0.0000	0.0000	0.0000	.0252	.0075		
2263	7.9186	0.0000	.9773	25.4000	0.0000	0.0000	0.0000	.0225	.0074		
2264	9.9912	0.0000	.9750	25.4000	0.0000	0.0000	0.0000	.0245	.0074		
2265	12.0937	0.0000	.9740	25.4000	0.0000	0.0000	0.0000	.0254	.0074		
2266	14.1907	0.0000	.9727	25.4000	0.0000	0.0000	0.0000	.0263	.0073		
2267	16.1713	0.0000	.9673	25.4000	0.0000	0.0000	0.0000	.0313	.0089		
2268	18.1716	0.0000	.9649	25.4000	0.0000	0.0000	0.0000	.0332	.0095		
2269	20.1648	0.0000	.9636	25.4000	0.0000	0.0000	0.0000	.0341	.0096		
2270	21.9076	0.0000	.9624	25.4000	0.0000	0.0000	0.0000	.0348	.0096		
2271	.0268	0.0000	.9762	25.4000	0.0000	0.0000	0.0000	.0238	.0079		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2257	.0128	.2899	.0576	-.0748	.2899	.0252	-.0748	.2899	.0497	-.0748	1.0000
2258	-1.8713	.1667	.0558	-.1095	.1667	.0213	-.1095	.1667	.0477	-.1095	1.0000
2259	.0594	.2911	.0577	-.0738	.2911	.0255	-.0738	.2911	.0498	-.0738	1.0000
2260	1.9499	.4136	.0673	-.0401	.4136	.0357	-.0401	.4136	.0596	-.0401	1.0000
2261	3.9001	.5448	.0799	-.0043	.5448	.0483	-.0043	.5448	.0724	-.0043	1.0000
2262	5.8987	.6746	.0988	.0353	.6746	.0661	.0353	.6746	.0913	.0353	1.0000
2263	7.9186	.8000	.1302	.0745	.8000	.1004	.0745	.8000	.1229	.0745	1.0000
2264	9.9912	.9200	.1758	.1108	.9200	.1440	.1108	.9200	.1685	.1108	1.0000
2265	12.0937	1.0196	.2319	.1511	1.0196	.1998	.1511	1.0196	.2244	.1511	1.0000
2266	14.1907	1.0985	.2936	.2020	1.0985	.2599	.2020	1.0985	.2862	.2020	1.0000
2267	16.1713	1.1706	.3810	.2090	1.1706	.3408	.2090	1.1706	.3721	.2090	1.0000
2268	18.1716	1.2866	.4664	.2423	1.2866	.4238	.2423	1.2866	.4569	.2423	1.0000
2269	20.1648	1.3929	.5521	.2893	1.3929	.5084	.2893	1.3929	.5425	.2893	1.0000
2270	21.9076	1.4874	.6301	.3297	1.4874	.5857	.3297	1.4874	.6205	.3297	1.0000
2271	.0268	.2935	.0636	-.0745	.2935	.0319	-.0745	.2935	.0557	-.0745	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 136							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2272	.166	1912	.02	-.00	98672	.2935	.0630	-.0743	-.0011	.0002	-.0018
2273	.166	1899	.05	.00	98682	1.0739	-1.4564	-.5002	-.0029	-.0018	-.0032
2274	.166	1899	-1.82	.00	98682	.9318	-1.4627	-.5327	-.0034	-.0019	-.0067
2275	.165	1889	.09	-.00	98699	1.0841	-1.4830	-.5051	-.0026	-.0004	.0114
2276	.166	1909	1.99	.00	98679	1.1701	-1.3756	-.4366	-.0017	-.0027	-.0068
2277	.166	1899	3.95	.00	98692	1.3275	-1.4108	-.4145	-.0020	-.0025	-.0054
2278	.166	1905	5.94	.00	98685	1.4802	-1.4302	-.3810	-.0020	-.0044	-.0107
2279	.166	1896	7.98	.00	98695	1.6502	-1.4556	-.3595	-.0009	-.0033	-.0137
2280	.166	1896	10.06	.00	98695	1.8403	-1.4725	-.3450	-.0017	-.0022	-.0061
2281	.167	1915	12.16	.00	98679	2.0327	-1.4788	-.3166	-.0024	-.0019	-.0057
2282	.166	1902	14.25	.00	98685	2.2499	-1.5084	-.2921	-.0002	-.0017	-.0029
2283	.165	1892	16.24	.00	98699	2.4746	-1.5426	-.2731	.0006	-.0015	-.0028
2284	.166	1905	18.26	-.00	98689	2.6723	-1.5600	-.2357	-.0006	-.0001	-.0099
2285	.166	1902	20.27	.00	98692	2.9038	-1.5929	-.2063	-.0034	-.0007	-.0116
2286	.167	1922	21.96	.00	98679	3.0550	-1.6060	-.1639	-.0025	-.0004	-.0056
2287	.168	1955	.07	.00	98642	1.0703	-1.4702	-.4968	-.0031	-.0020	-.0073
2288	.166	1909	.02	-.00	98692	.3010	.0501	-.0769	-.0014	-.0002	.0030

TEST 995				RUN 136					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2272	.0177	1.3867	.9754	25.4000	0.0000	0.0000	0.0000	.0243	.0079
2273	.0534	27.9066	2.8291	25.4000	1.7918	1.5586	.2533	-1.8224	.0209
2274	-1.8200	27.9982	2.8330	25.4000	1.7985	1.5644	.2543	-1.8253	.0204
2275	.0861	28.0954	2.8456	25.4000	1.8186	1.5819	.2572	-1.8487	.0211
2276	1.9909	26.8408	2.7184	25.4000	1.6874	1.4678	.2385	-1.7021	.0203
2277	3.9503	27.0636	2.7413	25.4000	1.7158	1.4924	.2427	-1.7309	.0206
2278	5.9411	27.1991	2.7556	25.4000	1.7233	1.4990	.2436	-1.7338	.0210
2279	7.9788	27.3788	2.7738	25.4000	1.7488	1.5212	.2472	-1.7535	.0213
2280	10.0578	27.5456	2.7899	25.4000	1.7646	1.5350	.2494	-1.7592	.0214
2281	12.1565	27.6641	2.8032	25.4000	1.7575	1.5287	.2485	-1.7411	.0216
2282	14.2482	27.7427	2.8062	25.4000	1.7761	1.5450	.2511	-1.7412	.0219
2283	16.2351	27.8288	2.8216	25.4000	1.7945	1.5609	.2537	-1.7489	.0215
2284	18.2574	27.9709	2.8310	25.4000	1.7942	1.5607	.2537	-1.7265	.0207
2285	20.2652	28.0973	2.8448	25.4000	1.8093	1.5739	.2558	-1.7214	.0210
2286	21.9637	28.2686	2.8638	25.4000	1.8069	1.5718	.2554	-1.7014	.0224
2287	.0736	28.5639	2.8872	25.4000	1.8011	1.5667	.2547	-1.8255	.0212
2288	.0181	0.0000	.9691	25.4000	0.0000	0.0000	0.0000	.0306	.0079

TEST 995				RUN 136							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2272	.0177	.2935	.0631	-.0743	.2935	.0308	-.0743	.2935	.0552	-.0743	1.0000
2273	.0534	1.0753	-1.4554	-.5002	1.0736	.3155	-.2980	1.0752	-1.4645	-.4988	1.8000
2274	-1.8200	.8849	-1.4915	-.5327	.9420	.2856	-.3298	.8855	-1.4935	-.5306	1.8000
2275	.0861	1.0863	-1.4814	-.5051	1.0836	.3161	-.3080	1.0863	-1.4639	-.5008	1.8000
2276	1.9909	1.2172	-1.3342	-.4366	1.1586	.3320	-.2462	1.2204	-1.4470	-.4470	1.8000
2277	3.9503	1.4215	-1.3160	-.4145	1.3033	.3752	-.2209	1.4259	-1.4006	-.4217	1.8000
2278	5.9411	1.6202	-1.2693	-.3810	1.4419	.4237	-.1866	1.6261	-1.3467	-.3874	1.8000
2279	7.9788	1.8363	-1.2124	-.3595	1.5936	.4981	-.1622	1.8406	-1.2847	-.3630	1.8000
2280	10.0578	2.0692	-1.1284	-.3450	1.7610	.5877	-.1459	2.0719	-1.1650	-.3467	1.8000
2281	12.1565	2.2985	-1.0175	-.3166	1.9284	.6790	-.1183	2.3033	-1.0811	-.3191	1.8000
2282	14.2482	2.5520	-.9082	-.2921	2.1148	.7914	-.0917	2.5529	-.9339	-.2925	1.8000
2283	16.2351	2.8072	-.7892	-.2731	2.3055	.9122	-.0706	2.8032	-.7968	-.2714	1.8000
2284	18.2574	3.0265	-.6443	-.2357	2.4644	1.0388	-.0333	3.0221	-.6516	-.2341	1.8000
2285	20.2652	3.2758	-.4885	-.2063	2.6491	1.1878	-.0021	3.2656	-.4820	-.2030	1.8000
2286	21.9637	3.4340	-.3468	-.1639	2.7582	1.3065	.0399	3.4239	-.3443	-.1609	1.8000
2287	.0736	1.0722	-1.4688	-.4968	1.0699	.3111	-.2936	1.0722	-1.4689	-.4944	1.8000
2288	.0181	.3010	.0502	-.0769	.3010	.0117	-.0769	.3010	.0423	-.0769	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 137							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2300	.166	1905	.02	-.00	98709	.4180	.0611	-.1013	-.0011	-.0000	.0025
2301	.166	1905	-1.86	-.00	98706	.2827	.0684	-.1757	-.0013	.0001	.0015
2302	.167	1915	.05	-.00	98692	.4192	.0606	-.1029	-.0010	.0000	.0048
2303	.166	1902	1.97	-.00	98712	.5621	.0536	-.0217	-.0010	.0000	.0053
2304	.165	1892	3.92	-.00	98726	.7072	.0444	.0650	-.0018	-.0001	-.0009
2305	.165	1892	5.92	-.00	98719	.8566	.0325	.1551	-.0007	-.0008	.0025
2306	.166	1902	7.96	-.00	98712	1.0234	.0209	.2389	-.0002	-.0005	.0036
2307	.166	1912	10.03	-.00	98702	1.1887	.0109	.3270	-.0006	-.0005	.0056
2308	.165	1892	12.13	-.00	98722	1.3530	.0037	.4231	-.0008	-.0001	.0031
2309	.166	1899	14.24	-.00	98716	1.5185	-.0060	.5161	.0001	.0002	.0025
2310	.166	1899	16.20	-.00	98709	1.6550	-.0100	.5907	.0002	.0002	.0053
2311	.165	1889	18.23	-.00	98716	1.7937	-.0156	.6722	-.0001	-.0001	.0011
2312	.166	1905	20.23	-.00	98709	1.9358	-.0233	.7628	.0004	.0005	.0031
2313	.165	1886	21.90	-.00	98722	2.0442	-.0290	.8386	.0006	.0007	.0035
2314	.166	1909	.03	-.00	98706	.4254	.0652	-.1019	-.0005	.0005	.0059

TEST 995										RUN 137	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2300	.0223	0.0000	.9779	22.2000	0.0000	0.0000	0.0000	.0214	.0076		
2301	-1.8631	0.0000	.9779	22.2000	0.0000	0.0000	0.0000	.0214	.0077		
2302	.0525	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0209	.0076		
2303	1.9729	0.0000	.9787	22.2000	0.0000	0.0000	0.0000	.0206	.0075		
2304	3.9244	0.0000	.9784	22.2000	0.0000	0.0000	0.0000	.0209	.0075		
2305	5.9237	0.0000	.9785	22.2000	0.0000	0.0000	0.0000	.0208	.0075		
2306	7.9573	0.0000	.9785	22.2000	0.0000	0.0000	0.0000	.0206	.0076		
2307	10.0254	0.0000	.9783	22.2000	0.0000	0.0000	0.0000	.0205	.0077		
2308	12.1323	0.0000	.9781	22.2000	0.0000	0.0000	0.0000	.0208	.0078		
2309	14.2387	0.0000	.9775	22.2000	0.0000	0.0000	0.0000	.0211	.0079		
2310	16.2040	0.0000	.9781	22.2000	0.0000	0.0000	0.0000	.0204	.0079		
2311	18.2296	0.0000	.9775	22.2000	0.0000	0.0000	0.0000	.0208	.0080		
2312	20.2327	0.0000	.9760	22.2000	0.0000	0.0000	0.0000	.0218	.0081		
2313	21.9038	0.0000	.9760	22.2000	0.0000	0.0000	0.0000	.0217	.0083		
2314	.0297	0.0000	.9785	22.2000	0.0000	0.0000	0.0000	.0208	.0075		

TEST 995												RUN 137	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM		
2300	.0223	.4180	.0613	-.1013	.4180	.0323	-.1013	.4180	.0537	-.1013	1.0000		
2301	-1.8631	.2848	.0591	-.1757	.2848	.0300	-.1757	.2848	.0514	-.1757	1.0000		
2302	.0525	.4192	.0610	-.1029	.4192	.0324	-.1029	.4192	.0533	-.1029	1.0000		
2303	1.9729	.5599	.0729	-.0217	.5599	.0448	-.0217	.5599	.0654	-.0217	1.0000		
2304	3.9244	.7025	.0927	.0650	.7025	.0642	.0650	.7025	.0851	.0650	1.0000		
2305	5.9237	.8487	.1207	.1551	.8487	.0923	.1551	.8487	.1132	.1551	1.0000		
2306	7.9573	1.0106	.1624	.2389	1.0106	.1342	.2389	1.0106	.1548	.2389	1.0000		
2307	10.0254	1.1686	.2177	.3270	1.1686	.1895	.3270	1.1686	.2100	.3270	1.0000		
2308	12.1323	1.3221	.2880	.4231	1.3221	.2593	.4231	1.3221	.2801	.4231	1.0000		
2309	14.2387	1.4734	.3677	.5161	1.4734	.3386	.5161	1.4734	.3597	.5161	1.0000		
2310	16.2040	1.5921	.4523	.5907	1.5921	.4239	.5907	1.5921	.4443	.5907	1.0000		
2311	18.2296	1.7086	.5463	.6722	1.7086	.5175	.6722	1.7086	.5383	.6722	1.0000		
2312	20.2327	1.8244	.6477	.7628	1.8244	.6178	.7628	1.8244	.6396	.7628	1.0000		
2313	21.9038	1.9074	.7357	.8386	1.9074	.7057	.8386	1.9074	.7274	.8386	1.0000		
2314	.0297	.4253	.0654	-.1019	.4253	.0372	-.1019	.4253	.0579	-.1019	1.0000		

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		NASA LANGLEY											7 X 10 HIGH SPEED TUNNEL	
				RUN											136	
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P-INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF					
2315	.166	1905	.02	-.00	98716	.4230	.0630	-.0985	-.0009	.0004	-.0009					
2316	.167	1922	.06	-.00	98703	1.1516	-1.5528	-.5380	.0004	-.0024	.0121					
2317	.166	1912	-1.83	-.00	98716	1.0023	-1.5495	-.6072	.0004	-.0024	.0100					
2318	.166	1905	.10	-.00	98719	1.1543	-1.5661	-.5403	.0001	-.0026	.0123					
2319	.166	1909	2.01	-.00	98723	1.3116	-1.5845	-.4646	.0003	-.0032	.0113					
2320	.166	1915	3.96	-.00	98716	1.4723	-1.5954	-.3838	.0006	-.0036	.0115					
2321	.167	1919	5.97	-.00	98713	1.6506	-1.6092	-.2981	.0006	-.0043	.0106					
2322	.166	1909	8.02	-.00	98726	1.8421	-1.6366	-.2207	.0009	-.0043	.0118					
2323	.166	1896	10.08	-.00	98729	2.0148	-1.6676	-.1422	.0000	-.0049	.0150					
2324	.166	1896	12.19	-.00	98736	2.1883	-1.6751	-.0469	.0011	-.0044	.0121					
2325	.166	1915	14.29	-.00	98709	2.3534	-1.6713	.0475	.0020	-.0044	.0125					
2326	.166	1909	16.28	-.00	98719	2.5150	-1.6888	.1187	.0007	-.0049	.0156					
2327	.165	1876	18.27	-.00	98746	2.6911	-1.7263	.1895	.0009	-.0049	.0151					
2328	.165	1889	20.28	-.00	98739	2.8546	-1.7307	.2737	.0005	-.0050	.0159					
2329	.167	1919	21.94	-.00	98709	2.9741	-1.7215	.3468	.0017	-.0050	.0157					
2330	.166	1905	.08	-.00	98723	1.2141	-1.6704	-.5948	.0001	-.0039	.0109					
2331	.166	1905	.00	-.00	98723	.4217	.0500	-.1015	-.0009	.0001	.0037					

TEST		995		RUN		136			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2315	.0205	0.0000	.9786	22.2000	0.0000	0.0000	0.0000	.0207	.0076
2316	.0555	27.8786	2.7662	20.6775	1.7303	1.7498	0.0000	-1.6989	.0141
2317	-1.8281	27.7481	2.7523	20.7829	1.7296	1.7490	0.0000	-1.6857	.0137
2318	.0969	27.8273	2.7664	20.6755	1.7457	1.7653	0.0000	-1.7061	.0141
2319	2.0109	27.9280	2.7689	20.6572	1.7496	1.7692	0.0000	-1.7045	.0143
2320	3.9587	28.8393	2.7750	20.6111	1.7534	1.7731	0.0000	-1.7014	.0147
2321	5.9714	28.8829	2.7866	20.5231	1.7562	1.7760	0.0000	-1.7043	.0154
2322	8.0169	28.1623	2.7916	20.4851	1.7727	1.7926	0.0000	-1.7107	.0162
2323	10.0754	28.2892	2.8078	20.3623	1.7985	1.8187	0.0000	-1.7283	.0172
2324	12.1870	28.3650	2.8145	20.3121	1.8057	1.8260	0.0000	-1.7223	.0185
2325	14.2881	28.4787	2.8283	20.2073	1.7991	1.8193	0.0000	-1.7022	.0200
2326	16.2784	28.5888	2.8391	20.1257	1.8141	1.8344	0.0000	-1.7021	.0214
2327	18.2737	28.6221	2.8450	20.0809	1.8516	1.8724	0.0000	-1.7194	.0229
2328	20.2836	28.7468	2.8573	19.9880	1.8497	1.8704	0.0000	-1.6977	.0241
2329	21.9435	28.8982	2.8677	19.9089	1.8344	1.8550	0.0000	-1.6616	.0249
2330	.0753	29.1158	2.8921	19.7245	1.8672	1.8882	0.0000	-1.8276	.0135
2331	.0017	0.0000	.9699	22.2000	0.0000	0.0000	0.0000	.0291	.0077

TEST 995		RUN 136									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2315	.0205	.4230	.0632	-.0985	.4230	.0348	-.0985	.4230	.0555	-.0985	1.0000
2316	.0555	1.1531	-1.5517	-.5380	1.1514	.1645	-.3428	1.1531	-1.6155	-.5436	1.8000
2317	-1.8281	.9524	-1.5806	-.6072	1.0075	.1344	-.4121	.9507	-1.6447	-.6129	1.8000
2318	.0969	1.1569	-1.5641	-.5403	1.1540	.1675	-.3434	1.1570	-1.6125	-.5442	1.8000
2319	2.0109	1.3664	-1.5375	-.4646	1.3050	.1967	-.2672	1.3674	-1.5822	-.4680	1.8000
2320	3.9587	1.5789	-1.4900	-.3838	1.4578	.2446	-.1860	1.5807	-1.5312	-.3868	1.8000
2321	5.9714	1.8891	-1.4287	-.2981	1.6264	.3026	-.1800	1.8115	-1.4678	-.3008	1.8000
2322	8.0169	2.0524	-1.3637	-.2207	1.8051	.3755	-.0207	2.0534	-1.3871	-.2215	1.8000
2323	10.0754	2.2755	-1.2894	-.1422	1.9608	.4642	.0607	2.2722	-1.2883	-.1401	1.8000
2324	12.1870	2.4926	-1.1754	-.0469	2.1114	.5711	.1568	2.4871	-1.1688	-.0440	1.8000
2325	14.2881	2.6930	-1.0388	.0475	2.2498	.6847	.2505	2.6883	-1.0403	.0497	1.8000
2326	16.2784	2.8876	-.9162	.1187	2.3791	.8038	.3234	2.8781	-.9048	.1226	1.8000
2327	18.2737	3.0967	-.7954	.1895	2.5161	.9399	.3983	3.0743	-.7504	.1975	1.8000
2328	20.2836	3.2775	-.6337	.2737	2.6363	1.0771	.4824	3.2534	-.5925	.2816	1.8000
2329	21.9435	3.4819	-.4854	.3468	2.7164	1.1912	.5537	3.3816	-.4598	.3529	1.8000
2330	.0753	1.2163	-1.6688	-.5948	1.2139	.1849	-.3841	1.2162	-1.5951	-.5849	1.8000
2331	.0017	.4217	.0500	-.1015	.4217	.0133	-.1015	.4217	.0424	-.1015	1.0000

TEST 995 NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2334	.165	1886	.01	-.00	98756	.3052	.0847	-.1031	-.0008	.0005	.0025
2335	.165	1892	-1.86	-.00	98743	.1564	.0979	-.1691	-.0005	.0005	.0026
2336	.166	1902	.04	-.00	98740	.3168	.0839	-.1036	-.0004	.0003	.0034
2337	.166	1896	1.96	-.00	98746	.4802	.0689	-.0354	-.0005	.0004	.0038
2338	.165	1892	3.92	-.00	98756	.6539	.0535	.0449	-.0015	.0001	.0069
2339	.166	1905	5.92	-.00	98743	.8154	.0320	.1276	-.0015	-.0002	.0025
2340	.166	1899	7.94	-.00	98743	.9650	.0117	.2156	-.0016	-.0000	.0028
2341	.166	1899	10.02	-.00	98743	1.1173	-.0107	.3034	-.0020	-.0003	.0012
2342	.166	1905	12.13	-.00	98729	1.2666	-.0369	.3941	-.0018	-.0004	.0043
2343	.166	1912	14.22	-.00	98729	1.4291	-.0630	.4848	-.0011	-.0008	.0117
2344	.166	1896	16.22	-.00	98746	1.5722	-.0922	.5511	-.0009	-.0003	.0040
2345	.166	1909	18.23	-.00	98740	1.7132	-.1128	.6269	-.0005	-.0010	.0066
2346	.166	1905	20.22	-.00	98743	1.8667	-.1256	.7087	.0005	-.0010	.0080
2347	.166	1896	21.88	-.00	98756	1.9779	-.1314	.7753	-.0003	.0008	.0068
2348	.166	1989	.02	.00	98740	.3167	.0847	-.1055	-.0005	.0014	-.0127

TEST 995

POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2334	.0119	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0215	.0076
2335	-1.8564	0.0000	.9784	22.2000	0.0000	0.0000	0.0000	.0210	.0076
2336	.0383	0.0000	.9777	22.2000	0.0000	0.0000	0.0000	.0216	.0076
2337	1.9601	0.0000	.9777	22.2000	0.0000	0.0000	0.0000	.0217	.0075
2338	3.9217	0.0000	.9781	22.2000	0.0000	0.0000	0.0000	.0212	.0075
2339	5.9220	0.0000	.9775	22.2000	0.0000	0.0000	0.0000	.0216	.0074
2340	7.9363	0.0000	.9773	22.2000	0.0000	0.0000	0.0000	.0218	.0076
2341	10.0249	0.0000	.9770	22.2000	0.0000	0.0000	0.0000	.0219	.0077
2342	12.1284	0.0000	.9774	22.2000	0.0000	0.0000	0.0000	.0213	.0078
2343	14.2182	0.0000	.9776	22.2000	0.0000	0.0000	0.0000	.0209	.0079
2344	16.2159	0.0000	.9775	22.2000	0.0000	0.0000	0.0000	.0210	.0080
2345	18.2254	0.0000	.9765	22.2000	0.0000	0.0000	0.0000	.0216	.0080
2346	20.2224	0.0000	.9768	22.2000	0.0000	0.0000	0.0000	.0210	.0082
2347	21.8841	0.0000	.9767	22.2000	0.0000	0.0000	0.0000	.0210	.0083
2348	.0243	0.0000	.9775	22.2000	0.0000	0.0000	0.0000	.0217	.0075

TEST 995

POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2334	.0119	.3052	.0848	-.1031	.3052	.0557	-.1031	.3052	.0772	-.1031	1.0000
2335	-1.8564	.1595	.0928	-.1691	.1595	.0641	-.1691	.1595	.0851	-.1691	1.0000
2336	.0383	.3167	.0841	-.1036	.3167	.0549	-.1036	.3167	.0765	-.1036	1.0000
2337	1.9601	.4775	.0853	-.0354	.4775	.0560	-.0354	.4775	.0777	-.0354	1.0000
2338	3.9217	.6487	.0981	.0449	.6487	.0694	.0449	.6487	.0907	.0449	1.0000
2339	5.9220	.8078	.1159	.1276	.8078	.0869	.1276	.8078	.1085	.1276	1.0000
2340	7.9363	.9542	.1449	.2156	.9542	.1155	.2156	.9542	.1373	.2156	1.0000
2341	10.0249	1.1021	.1840	.3034	1.1021	.1544	.3034	1.1021	.1763	.3034	1.0000
2342	12.1284	1.2461	.2300	.3941	1.2461	.2008	.3941	1.2461	.2222	.3941	1.0000
2343	14.2182	1.4008	.2900	.4848	1.4008	.2612	.4848	1.4008	.2820	.4848	1.0000
2344	16.2159	1.5354	.3505	.5511	1.5354	.3215	.5511	1.5354	.3425	.5511	1.0000
2345	18.2254	1.6625	.4287	.6269	1.6625	.3991	.6269	1.6625	.4207	.6269	1.0000
2346	20.2224	1.7950	.5273	.7087	1.7950	.4981	.7087	1.7950	.5191	.7087	1.0000
2347	21.8841	1.8852	.6127	.7753	1.8852	.5834	.7753	1.8852	.6044	.7753	1.0000
2348	.0243	.3166	.0848	-.1055	.3166	.0556	-.1055	.3166	.0773	-.1055	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 140									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2349	.166	1896	.02	-.00	98733	.3145	.0816	-.1009	-.0003	.0003	.0011
2350	.166	1899	.05	-.00	98736	1.0604	-1.5791	-.5589	.0003	-.0029	.0121
2351	.167	1925	-1.83	-.00	98709	.9095	-1.5870	-.6376	.0007	-.0031	.0096
2352	.166	1909	.09	-.00	98726	1.0990	-1.6415	-.5910	-.0002	-.0039	.0143
2353	.166	1905	2.01	-.00	98733	1.2895	-1.6556	-.5293	-.0008	-.0039	.0112
2354	.165	1889	3.97	-.00	98753	1.4052	-1.5881	-.4032	-.0016	-.0034	.0097
2355	.166	1902	5.96	-.00	98743	1.5879	-1.6063	-.3179	-.0013	-.0028	.0068
2356	.167	1919	8.00	-.00	98723	1.7622	-1.6234	-.2344	-.0016	-.0037	.0067
2357	.166	1912	10.07	.00	98736	1.9300	-1.6582	-.1509	-.0012	-.0041	.0095
2358	.167	1919	12.17	-.00	98730	2.0992	-1.6987	-.0641	-.0012	-.0045	.0125
2359	.166	1899	14.27	.00	98753	2.2863	-1.7434	.0191	-.0004	-.0050	.0117
2360	.166	1909	16.27	-.00	98733	2.4502	-1.7700	.0896	-.0009	-.0052	.0146
2361	.166	1902	18.27	.00	98753	2.6218	-1.7992	.1565	-.0004	-.0053	.0149
2362	.166	1915	20.32	-.00	98736	2.7823	-1.8017	.2372	-.0000	-.0054	.0165
2363	.167	1932	21.92	-.00	98730	2.8968	-1.7881	.3022	.0002	-.0055	.0177
2364	.166	1909	.06	.00	98767	1.0771	-1.6095	-.5780	-.0002	-.0036	.0097
2365	.166	1899	.01	-.00	98780	.3123	.0631	-.1083	-.0001	.0003	.0057

TEST	995				RUN		140			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
2349	.0174	0.0000	.9767	22.2000	0.0000	0.0000	0.0000	.0226	.0075	
2350	.0546	28.2530	2.7972	20.4429	1.7815	1.8016	0.0000	-1.7422	.0139	
2351	-1.8279	28.7435	2.8480	20.8586	1.8025	1.8227	0.0000	-1.7654	.0134	
2352	.0908	29.0280	2.8745	19.8576	1.8452	1.8659	0.0000	-1.8075	.0134	
2353	2.0149	29.5517	2.8333	20.1694	1.8699	1.8909	0.0000	-1.7699	.0136	
2354	3.9657	27.7100	2.7450	20.8376	1.7474	1.7671	0.0000	-1.6567	.0150	
2355	5.9639	27.8405	2.7614	20.7134	1.7483	1.7679	0.0000	-1.6954	.0156	
2356	8.0012	27.9335	2.7716	20.6366	1.7426	1.7622	0.0000	-1.6828	.0166	
2357	10.0659	28.0285	2.7783	20.5860	1.7563	1.7760	0.0000	-1.6856	.0173	
2358	12.1728	28.1690	2.7943	20.4648	1.7637	1.7836	0.0000	-1.6826	.0182	
2359	14.2665	28.2718	2.8050	20.3837	1.7914	1.8115	0.0000	-1.6961	.0198	
2360	16.2667	28.3670	2.8165	20.2970	1.7923	1.8124	0.0000	-1.6815	.0212	
2361	18.2712	28.4650	2.8267	20.2197	1.8098	1.8302	0.0000	-1.6788	.0228	
2362	20.3206	28.6487	2.8428	20.0977	1.8117	1.8321	0.0000	-1.6608	.0239	
2363	21.9189	28.7443	2.8478	20.0601	1.8031	1.8234	0.0000	-1.6332	.0245	
2364	.0597	28.6733	2.8175	20.2891	1.8142	1.8346	0.0000	-1.7533	.0135	
2365	.0123	0.0000	.9707	22.2000	0.0000	0.0000	0.0000	.0284	.0077	

TEST	995	RUN 140									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2349	.0174	.3145	.0817	-.1009	.3145	.0515	-.1009	.3145	.0742	-.1009	1.0000
2350	.0546	1.0619	-1.5781	-.5589	1.0602	.1896	-.3579	1.0619	-1.5904	-.5587	1.8000
2351	-1.8279	.8584	-1.6152	-.6376	.9159	.1730	-.4342	.8592	-1.6061	-.6350	1.8000
2352	.0908	1.1016	-1.6397	-.5910	1.0987	.1920	-.3828	1.1015	-1.5880	-.5837	1.8000
2353	2.0149	1.3470	-1.6093	-.5293	1.2812	.2458	-.3183	1.3438	-1.5331	-.5191	1.8000
2354	3.9657	1.5117	-1.4872	-.4032	1.3908	.2411	-.2061	1.5139	-1.5346	-.4069	1.8000
2355	5.9639	1.7462	-1.4326	-.3179	1.5646	.2906	-.1207	1.7495	-1.4798	-.3215	1.8000
2356	8.0012	1.9710	-1.3623	-.2344	1.7284	.3468	-.0378	1.9762	-1.4159	-.2386	1.8000
2357	10.0659	2.1901	-1.2954	-.1509	1.8832	.4166	.0473	2.1943	-1.3360	-.1536	1.8000
2358	12.1728	2.4085	-1.2100	-.0641	2.0366	.4959	.1349	2.4120	-1.2441	-.0659	1.8000
2359	14.2665	2.6473	-1.1257	.0191	2.2059	.5906	.2212	2.6445	-1.1345	.0204	1.8000
2360	16.2667	2.8479	-1.0128	.0896	2.3459	.6865	.2918	2.8444	-1.0223	.0910	1.8000
2361	18.2712	3.0536	-.8865	.1565	2.4862	.8093	.3607	3.0443	-.8809	.1599	1.8000
2362	20.3206	3.2348	-.7234	.2372	2.6057	.9517	.4415	3.2238	-.7175	.2407	1.8000
2363	21.9189	3.3549	-.5775	.3022	2.6818	1.0707	.5057	3.3463	-.5806	.3049	1.8000
2364	.0597	1.0787	-1.6084	-.5780	1.0769	.1923	-.3733	1.0787	-1.5877	-.5742	1.8000
2365	.0123	.3123	.0632	-.1083	.3123	.0271	-.1083	.3123	.0555	-.1083	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 141								
POINT	MACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P,INF N/(HXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2368	.166	1905	.03	-.00	98784	.3672	.1297	.1097	-.0011	-.0006	.0104
2369	.166	1909	-1.85	-.00	98780	.2202	.1347	.0440	-.0010	-.0002	.0049
2370	.167	1919	.06	-.00	98777	.3671	.1304	.1111	-.0002	-.0008	.0146
2371	.166	1899	1.98	-.00	98790	.5269	.1294	.1022	-.0004	-.0003	.0070
2372	.165	1889	3.93	-.00	98800	.6864	.1256	.2525	-.0012	-.0005	.0028
2373	.166	1915	5.94	-.00	98777	.8279	.1208	.3173	-.0007	-.0002	.0040
2374	.166	1909	7.96	-.00	98787	.9751	.1032	.3707	-.0001	-.0002	-.0001
2375	.166	1909	10.03	-.00	98787	1.1097	.0778	.4362	-.0004	-.0004	.0037
2376	.167	1919	12.14	-.00	98777	1.2562	.0612	.5140	-.0002	-.0006	.0065
2377	.165	1892	14.24	-.00	98800	1.4272	.0407	.5984	-.0026	-.0004	.0069
2378	.166	1899	16.24	-.00	98797	1.5769	.0248	.6824	-.0003	-.0008	.0078
2379	.165	1892	18.23	-.00	98804	1.7358	.0079	.7563	.0017	-.0005	.0111
2380	.165	1879	20.24	-.00	98817	1.9084	-.0069	.8312	.0015	-.0001	.0095
2381	.166	1899	21.90	-.00	98797	2.0340	-.0166	.8878	.0007	.0005	.0089
2382	.166	1902	.04	-.00	98794	.3715	.1405	.1128	.0006	-.0010	.0132

TEST 995			RUN 141						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2368	.0306	0.0000	.9774	22.2000	0.0000	0.0000	0.0000	.0218	.0078
2369	-1.8515	0.0000	.9779	22.2000	0.0000	0.0000	0.0000	.0213	.0077
2370	.0633	0.0000	.9774	22.2000	0.0000	0.0000	0.0000	.0217	.0078
2371	1.9836	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0213	.0086
2372	3.9338	0.0000	.9793	22.2000	0.0000	0.0000	0.0000	.0201	.0082
2373	5.9372	0.0000	.9776	22.2000	0.0000	0.0000	0.0000	.0214	.0082
2374	7.9621	0.0000	.9775	22.2000	0.0000	0.0000	0.0000	.0215	.0081
2375	10.0296	0.0000	.9788	22.2000	0.0000	0.0000	0.0000	.0201	.0080
2376	12.1448	0.0000	.9785	22.2000	0.0000	0.0000	0.0000	.0202	.0082
2377	14.2370	0.0000	.9778	22.2000	0.0000	0.0000	0.0000	.0210	.0084
2378	16.2361	0.0000	.9771	22.2000	0.0000	0.0000	0.0000	.0214	.0088
2379	18.2332	0.0000	.9764	22.2000	0.0000	0.0000	0.0000	.0219	.0093
2380	20.2383	0.0000	.9758	22.2000	0.0000	0.0000	0.0000	.0223	.0094
2381	21.8982	0.0000	.9752	22.2000	0.0000	0.0000	0.0000	.0223	.0096
2382	.0356	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0213	.0078

TEST 995			RUN 141								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2368	.0306	.3671	.1299	.1097	.3671	.1003	.1097	.3671	.1221	.1097	1.0000
2369	-1.8515	.2244	.1276	.0440	.2244	.0985	.0440	.2244	.1199	.0440	1.0000
2370	.0633	.3670	.1308	.1111	.3670	.1013	.1111	.3670	.1230	.1111	1.0000
2371	1.9836	.5221	.1476	.1822	.5221	.1183	.1822	.5221	.1396	.1822	1.0000
2372	3.9338	.6761	.1724	.2525	.6761	.1441	.2525	.6761	.1643	.2525	1.0000
2373	5.9372	.8110	.2058	.3173	.8110	.1762	.3173	.8110	.1976	.3173	1.0000
2374	7.9621	.9514	.2373	.3707	.9514	.2077	.3707	.9514	.2292	.3707	1.0000
2375	10.0296	1.0792	.2698	.4362	1.0792	.2417	.4362	1.0792	.2618	.4362	1.0000
2376	12.1448	1.2152	.3241	.5140	1.2152	.2957	.5140	1.2152	.3159	.5140	1.0000
2377	14.2370	1.3733	.3904	.5984	1.3733	.3610	.5984	1.3733	.3820	.5984	1.0000
2378	16.2361	1.5070	.4647	.6824	1.5070	.4345	.6824	1.5070	.4559	.6824	1.0000
2379	18.2332	1.6462	.5506	.7563	1.6462	.5195	.7563	1.6462	.5414	.7563	1.0000
2380	20.2383	1.7930	.6537	.8312	1.7930	.6220	.8312	1.7930	.6443	.8312	1.0000
2381	21.8982	1.8934	.7432	.8878	1.8934	.7113	.8878	1.8934	.7336	.8878	1.0000
2382	.0356	.3714	.1408	.1128	.3714	.1116	.1128	.3714	.1329	.1128	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P, INF N/(MXM)	CNF	CAF	GPH	CRM,B	CYM,B	CSF
2383	.166	1902	.04	-.00	98790	.3656	.1379	.1138	-.0002	-.0002	.0032
2384	.166	1909	.07	.00	98794	1.1286	-1.5785	-.3622	-.0004	-.0037	.0088
2385	.166	1905	-1.81	.00	98797	.9119	-1.4765	-.3766	-.0012	-.0024	.0062
2386	.166	1902	.13	.00	98798	1.0771	-1.4902	-.3125	-.0010	-.0029	.0081
2387	.167	1925	2.03	-.00	98777	1.2333	-1.4795	-.2427	-.0005	-.0027	.0139
2388	.166	1912	3.97	-.00	98797	1.4015	-1.4998	-.1758	-.0014	-.0027	.0181
2389	.166	1915	5.97	.00	98787	1.5527	-1.5048	-.1069	-.0008	-.0037	.0061
2390	.166	1909	7.99	.00	98801	1.7060	-1.5231	-.0381	-.0007	-.0037	.0048
2391	.167	1922	10.09	.00	98804	1.8604	-1.5428	.0225	-.0005	-.0038	.0061
2392	.166	1912	12.18	.00	98807	2.0286	-1.5804	.0875	-.0017	-.0045	.0080
2393	.166	1915	14.27	.00	98801	2.2075	-1.6067	.1680	-.0027	-.0048	.0066
2394	.166	1909	16.27	.00	98804	2.3914	-1.6430	.2435	-.0009	-.0052	.0087
2395	.166	1915	18.28	.00	98804	2.5756	-1.6568	.3198	.0012	-.0054	.0119
2396	.166	1909	20.28	.00	98814	2.7784	-1.6810	.3882	.0001	-.0046	.0119
2397	.166	1912	21.89	-.00	98811	2.9107	-1.6893	.4460	.0001	-.0031	.0114
2398	.167	1922	.08	-.00	98807	1.1072	-1.5504	-.3470	.0022	-.0000	.0055
2399	.166	1912	.04	-.00	98811	.3660	.1267	.1102	-.0006	-.0003	.0033

TEST		995		RUN		142			
PCINT	ALPHA DFG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CU,N	CU,G
2383	.0352	0.0000	.9755	22.2000	0.0000	0.0000	0.0000	.0219	.0177
2384	.0732	29.2076	2.9064	19.6166	1.4570	1.4779	0.0000	-1.8394	.0137
2385	-1.8095	27.8155	2.7704	20.6455	1.7401	1.7596	0.0000	-1.7104	.0142
2386	.1274	27.8605	2.7837	20.5450	1.7496	1.7693	0.0000	-1.7270	.0145
2387	2.0277	27.9380	2.7928	20.4763	1.7372	1.7567	0.0000	-1.7136	.0150
2388	3.9721	27.9524	2.7961	20.4509	1.7507	1.7704	0.0000	-1.7260	.0159
2389	5.9714	28.0001	2.7969	20.4449	1.7537	1.7734	0.0000	-1.7184	.0168
2390	7.9943	27.9999	2.8003	20.4196	1.7604	1.7802	0.0000	-1.7203	.0179
2391	10.0921	28.1293	2.8131	20.3223	1.7611	1.7809	0.0000	-1.7107	.0189
2392	12.1827	28.1818	2.8184	20.2819	1.7743	1.7942	0.0000	-1.7124	.0200
2393	14.2710	28.2627	2.8204	20.2670	1.7778	1.7978	0.0000	-1.6966	.0213
2394	16.2684	28.3648	2.8375	20.1381	1.7956	1.8157	0.0000	-1.7021	.0227
2395	18.2843	28.4299	2.8367	20.1436	1.7937	1.8139	0.0000	-1.6771	.0240
2396	20.2753	28.1745	2.8438	20.0899	1.7855	1.8055	0.0000	-1.6692	.0252
2397	21.8939	28.2606	2.8438	20.0900	1.7878	1.8079	0.0000	-1.6482	.0264
2398	.0822	28.4771	2.8673	19.9122	1.7916	1.8117	0.0000	-1.7896	.0139
2399	.0376	0.0000	.9711	22.2000	0.0000	0.0000	0.0000	.0279	.0079

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
2383	.0352	.3656	.1382	.1138	.3656	.1096	-.1138	.3656	.1304	.1138	1.0000
2384	.0732	1.1306	-1.5770	-.3622	1.1282	.2663	-.1527	1.1305	-1.5137	-.3536	1.8000
2385	-1.8095	.8648	-1.5046	-.3766	.9198	.2204	-.1803	.8636	-1.5587	-.3811	1.8000
2386	.1274	1.0804	-1.4878	-.3125	1.0765	.2473	-.1151	1.0805	-1.5327	-.3159	1.8000
2387	2.0277	1.2849	-1.4349	-.2427	1.2234	.2862	-.0467	1.2864	-1.4927	-.2475	1.8000
2388	3.9721	1.5021	-1.3991	-.1758	1.3808	.3316	.0217	1.5041	-1.4442	-.1791	1.8000
2389	5.9714	1.7008	-1.3351	-.1069	1.5184	.3923	.0911	1.7036	-1.3781	-.1098	1.8000
2390	7.9943	1.9012	-1.2711	-.0381	1.6564	.4543	.1505	1.9040	-1.3084	-.0403	1.8000
2391	10.0921	2.1023	-1.1930	.0225	1.7934	.5220	.2212	2.1053	-1.2305	.0204	1.8000
2392	12.1827	2.3144	-1.1167	.0875	1.9420	.5976	.2877	2.3176	-1.1423	.0669	1.8000
2393	14.2710	2.5355	-1.0174	.1640	2.0972	.6887	.3686	2.5360	-1.0363	.1678	1.8000
2394	16.2684	2.7559	-.9073	.2435	2.2529	.7937	.4461	2.7516	-.9151	.2453	1.8000
2395	18.2843	2.9653	-.7651	.3198	2.4026	.9140	.5222	2.9610	-.7761	.3214	1.8000
2396	20.2753	3.1888	-.6141	.3882	2.5711	1.0356	.5896	3.1869	-.6341	.3888	1.8000
2397	21.8939	3.3306	-.4821	.4460	2.6640	1.1504	.6477	3.3277	-.5012	.4468	1.8000
2398	.0822	1.1094	-1.5488	-.3470	1.1069	.2288	-.1449	1.1694	-1.5512	-.3457	1.8000
2399	.0376	.3659	.1269	.1102	.3659	.0912	.1102	.3659	.1191	.1102	1.0000

TEST		NASA LANGLEY									
995		7 X 10 HIGH SPEED TUNNEL									
		RUN 143									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,8	CYM,8	CSF
2409	.166	1929	-.01	-.00	100362	.2187	-.1347	-.3374	-.0002	-.0001	-.0032
2410	.166	1945	-1.89	-.00	100352	.0585	.1550	-.3978	-.0014	-.0009	.0055
2411	.166	1942	.01	-.00	100352	.2132	.1328	-.3418	.0004	.0003	-.0012
2412	.167	1952	1.93	-.00	100349	.3646	.1876	-.2771	-.0003	.0003	.0015
2413	.166	1942	3.89	-.00	100359	.5121	.0786	-.2048	.0001	-.0000	.0039
2414	.167	1965	5.90	-.00	100349	.6514	.0477	-.1257	.0003	.0000	-.0025
2415	.166	1935	7.93	-.00	100369	.8038	.0179	-.0486	-.0001	.0002	-.0053
2416	.167	1952	10.00	-.00	100352	.9466	-.0232	.0425	-.0005	.0001	-.0027
2417	.167	1962	12.11	-.00	100339	1.0903	-.0618	.1263	-.0010	-.0000	-.0012
2418	.166	1942	14.21	-.00	100365	1.2275	-.1017	.2145	-.0005	-.0009	.0044
2419	.166	1932	16.19	-.00	100369	1.3762	-.1379	.3013	-.0005	-.0004	.0054
2420	.166	1942	18.19	.00	100362	1.5191	-.1639	.3813	.0008	-.0018	.0002
2421	.167	1952	20.20	-.00	100359	1.6609	-.1658	.4628	.0011	-.0008	.0053
2422	.167	1955	21.60	-.00	100352	1.7586	-.1648	.5376	.0002	-.0005	.0058
2423	.166	1935	.00	-.00	100386	.2138	.1287	-.3408	-.0001	-.0000	-.0045

TEST		995		RUN		143			
POINT	ALPHA DEG	WT FLOW N/SEC	MFR	THETA, T DEG	CT	CMU, N	CMU, J	CD, N	CD, C
2409	- .0058	0.0000	.9841	22.2000	0.0000	0.0000	0.0000	.0154	.0073
2410	-1.8928	0.0000	.9847	22.2000	0.0000	0.0000	0.0000	.0147	.0080
2411	.0143	0.0000	.9853	22.2000	0.0000	0.0000	0.0000	.0142	.0073
2412	1.9306	0.0000	.9858	22.2000	0.0000	0.0000	0.0000	.0136	.0069
2413	3.8916	0.0000	.9861	22.2000	0.0000	0.0000	0.0000	.0133	.0067
2414	5.8991	0.0000	.9863	22.2000	0.0000	0.0000	0.0000	.0129	.0066
2415	7.9315	0.0000	.9868	22.2000	0.0000	0.0000	0.0000	.0126	.0068
2416	9.9960	0.0000	.9855	22.2000	0.0000	0.0000	0.0000	.0137	.0069
2417	12.1078	0.0000	.9868	22.2000	0.0000	0.0000	0.0000	.0123	.0070
2418	14.2065	0.0000	.9869	22.2000	0.0000	0.0000	0.0000	.0122	.0072
2419	16.1942	0.0000	.9877	22.2000	0.0000	0.0000	0.0000	.0114	.0073
2420	18.1911	0.0000	.9878	22.2000	0.0000	0.0000	0.0000	.0111	.0074
2421	20.1982	0.0000	.9858	22.2000	0.0000	0.0000	0.0000	.0128	.0074
2422	21.7998	0.0000	.9845	22.2000	0.0000	0.0000	0.0000	.0138	.0074
2423	.0005	.0464	.9882	22.2000	0.0000	0.0000	0.0000	.0114	.0073

TEST		995				RUN		143			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2409	-.0058	.2187	.1347	-.3374	.2187	.1119	-.3374	.2187	.1273	-.3374	1.0000
2410	-1.8920	.0636	.1530	-.3978	.0636	.1303	-.3978	.0636	.1450	-.3978	1.0000
2411	.0143	.2132	.1329	-.3418	.2132	.1114	-.3418	.2132	.1256	-.3418	1.0000
2412	1.9306	.3608	.1198	-.2771	.3608	.0993	-.2771	.3608	.1129	-.2771	1.0000
2413	3.8916	.5056	.1131	-.2048	.5056	.0931	-.2048	.5056	.1064	-.2048	1.0000
2414	5.8991	.6430	.1144	-.1257	.6430	.0948	-.1257	.6430	.1078	-.1257	1.0000
2415	7.9315	.7928	.1285	-.0406	.7928	.1091	-.0406	.7928	.1217	-.0406	1.0000
2416	9.9960	.9362	.1415	.0425	.9362	.1289	.0425	.9362	.1346	.0425	1.0000
2417	12.1078	1.0790	.1263	1.0790	.1489	.1263	1.0790	.1612	.1263	1.0000	
2418	14.2065	1.2149	.2027	.2145	1.2149	.1832	.2145	1.2149	.1954	.2145	1.0000
2419	16.1942	1.3600	.2514	.3013	1.3600	.2327	.3013	1.3600	.2441	.3013	1.0000
2420	18.1911	1.4944	.3185	.3813	1.4944	.3800	.3813	1.4944	.3111	.3813	1.0000
2421	20.1982	1.6160	.4179	.4628	1.6160	.3976	.4628	1.6160	.4104	.4628	1.0000
2422	21.7998	1.6940	.5001	.5376	1.6940	.4789	.5376	1.6940	.4926	.5376	1.0000
2423	.0005	.2130	.1287	-.3408	.2130	.1100	-.3408	.2130	.1214	-.3408	1.0000

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NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	RUN 144					
						GNF	CAF	CPH	CRM,B	CYM,B	CSF
2424	.166	1945	.00	-.00	100382	.2058	.1257	-.3417	.0009	.0003	-.0014
2425	.166	1945	-.00	-.00	100382	.2095	.1234	-.3397	.0007	.0001	-.0036
2426	.166	1935	.02	.00	100420	.9364	-1.5138	-.7946	.0007	-.0011	-.0058
2427	.167	1949	-1.05	-.00	100403	.7691	-1.5037	-.8568	.0018	-.0028	.0133
2428	.166	1942	.07	-.00	100413	.9532	-1.5439	-.8089	.0008	-.0028	.0063
2429	.167	1958	1.98	-.00	100403	1.1161	-1.5585	-.7507	.0018	-.0026	.0025
2430	.167	1955	3.94	-.00	100406	1.2832	-1.6008	-.6853	.0012	-.0026	.0031
2431	.166	1939	5.93	-.00	100420	1.4426	-1.6453	-.6157	.0021	-.0025	.0022
2432	.166	1939	7.97	-.00	100423	1.6116	-1.6858	-.5355	.0009	-.0030	.0041
2433	.166	1942	10.02	-.00	100420	1.7551	-1.7192	-.4485	-.0003	-.0032	.0058
2434	.165	1922	12.15	-.00	100440	1.9034	-1.7468	-.3499	-.0018	-.0035	.0054
2435	.166	1929	14.24	.00	100443	2.0638	-1.7925	-.2673	.0013	-.0038	.0055
2436	.167	1952	16.24	-.00	100410	2.2356	-1.8189	-.1849	.0007	-.0046	.0109
2437	.165	1925	18.25	-.00	100433	2.3600	-1.8450	-.1028	.0029	-.0043	.0105
2438	.166	1932	20.24	-.00	100436	2.5040	-1.8436	-.0360	.0014	-.0043	.1123
2439	.166	1939	21.89	-.00	100430	2.5832	-1.8340	.0339	.0015	-.0032	.0058
2440	.167	1962	.03	.00	100413	.9244	-1.4872	-.7932	.0015	-.0023	.0013
2441	.166	1935	-.01	-.00	100440	.2104	.1139	-.3432	.0012	.0002	.0032

TEST		995		RUN		144			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2424	.0023	.0718	.9889	22.2000	0.0000	0.0000	0.0000	.0107	.0073
2425	-.0043	0.0000	.9881	22.2000	0.0000	0.0000	0.0000	.0115	.0073
2426	.0230	28.3506	2.7717	20.6355	1.7234	1.7428	0.0000	-1.7138	.0106
2427	-1.8514	28.5981	2.7991	20.4286	1.7380	1.7576	0.0000	-1.7272	.0104
2428	.0654	28.7091	2.8171	20.2918	1.7578	1.7775	0.0000	-1.7516	.0103
2429	1.9785	28.7266	2.8202	20.2687	1.7454	1.7650	0.0000	-1.7385	.0108
2430	3.9415	28.8013	2.8291	20.2015	1.7565	1.7762	0.0000	-1.7469	.0114
2431	5.9389	28.8101	2.8308	20.1886	1.7750	1.7949	0.0000	-1.7584	.0121
2432	7.9669	28.9402	2.8469	20.8670	1.7869	1.8070	0.0000	-1.7662	.0128
2433	10.0246	28.8145	2.8360	20.1491	1.7742	1.7941	0.0000	-1.7429	.0134
2434	12.1474	28.4864	2.8004	20.4185	1.7632	1.7831	0.0000	-1.7146	.0145
2435	14.2402	28.6083	2.8177	20.2874	1.7785	1.7904	0.0000	-1.7105	.0156
2436	16.2432	28.7374	2.8253	20.2303	1.7597	1.7794	0.0000	-1.6806	.0165
2437	18.2525	28.7621	2.8296	20.1976	1.7867	1.8068	0.0000	-1.6896	.0186
2438	20.2386	28.9136	2.8480	20.0580	1.7960	1.8162	0.0000	-1.6804	.0207
2439	21.8875	28.9898	2.8583	19.9800	1.7975	1.8177	0.0000	-1.6653	.0228
2440	.0318	28.1883	2.7748	20.6121	1.7068	1.7259	0.0000	-1.6935	.0105
2441	-.0099	0.0000	.9735	22.2000	0.0000	0.0000	0.0000	.0256	.0073

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 144					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2424	.0023	.2058	.1257	-.3417	.2058	.1877	-.3417	.2058	.1184	-.3417	1.0000
2425	-.0043	.2095	.1234	-.3397	.2095	.1846	-.3397	.2095	.1161	-.3397	1.0000
2426	.0230	.9370	-1.5134	-.7946	.9363	.1994	-.6002	.9371	-1.5806	-.8010	1.8000
2427	-1.8514	.7201	-1.5277	-.8568	.7762	.1990	-.6608	.7187	-1.5801	-.8616	1.8000
2428	.0654	.9549	-1.5428	-.8089	.9529	.2047	-.6106	.9550	-1.5753	-.8114	1.8000
2429	1.9785	1.1692	-1.5191	-.7507	1.1090	.2145	-.5538	1.1704	-1.5644	-.7546	1.8000
2430	3.9415	1.3902	-1.5089	-.6853	1.2694	.2321	-.4871	1.3918	-1.5437	-.6879	1.8000
2431	5.9389	1.6049	-1.4875	-.6157	1.4215	.2658	-.4154	1.6054	-1.5046	-.6162	1.8000
2432	7.9669	1.8297	-1.4461	-.5355	1.5820	.3108	-.3339	1.8287	-1.4520	-.5347	1.8000
2433	10.0246	2.0275	-1.3874	-.4485	1.7187	.3463	-.2483	2.0285	-1.4166	-.4492	1.8000
2434	12.1474	2.2284	-1.3072	-.3499	1.8574	.4021	-.1509	2.2319	-1.3381	-.3518	1.8000
2435	14.2402	2.4413	-1.2298	-.2673	2.0057	.4708	-.0676	2.4436	-1.2545	-.2684	1.8000
2436	16.2432	2.6551	-1.1209	-.1849	2.1629	.5520	.0136	2.6608	-1.1576	-.1872	1.8000
2437	18.2525	2.8192	-1.0130	-.1028	2.2596	.6652	.0988	2.8171	-1.0253	-.1020	1.8000
2438	20.2386	2.9872	-.8636	-.0360	2.3659	.8008	.1666	2.9817	-.8693	-.0342	1.8000
2439	21.8875	3.0807	-.7388	.0339	2.4106	.9063	.2367	3.0742	-.7454	.0359	1.8000
2440	.0318	.9252	-1.4866	-.7932	.9243	.2096	-.6807	.9253	-1.5704	-.8015	1.8000
2441	-.0099	.2104	.1138	-.3432	.2104	.0889	-.3432	.2104	.1066	-.3432	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2455	.166	1939	.01	.00	100501	.3459	.1023	.0119	-.0015	.0001	-.0071
2456	.166	1932	-1.87	.00	100504	.1792	.1083	-.0614	-.0021	-.0003	-.0123
2457	.166	1942	.02	.00	100487	.3418	.1032	.0122	-.0020	.0001	-.0103
2458	.166	1935	1.97	-.00	100501	.5076	.0945	.0852	-.0017	.0002	-.0022
2459	.166	1949	3.93	.00	100487	.6801	.0844	.1671	-.0024	.0005	-.0118
2460	.166	1942	5.93	-.00	100498	.8316	.0694	.2480	-.0018	-.0000	-.0016
2461	.166	1945	7.95	-.00	100498	.9842	.0571	.3303	-.0009	.0014	.0173
2462	.165	1925	10.01	-.00	100514	1.1197	.0452	.3953	-.0017	-.0002	-.0003
2463	.168	1975	12.13	-.00	100498	1.2354	.0215	.4651	-.0017	-.0005	-.0000
2464	.166	1949	14.20	.00	100501	1.4170	.0013	.5555	-.0025	-.0002	-.0072
2465	.166	1932	16.20	.00	100511	1.5673	-.0193	.6454	-.0016	-.0010	-.0110
2466	.166	1949	18.23	.00	100494	1.7270	-.0483	.7287	-.0011	-.0016	-.0073
2467	.165	1925	20.25	.00	100518	1.8852	-.0652	.7982	-.0005	-.0006	-.0072
2468	.166	1939	21.73	-.00	100504	2.0022	-.0751	.8554	-.0002	.0003	-.0074
2469	.166	1942	.02	.00	100501	.3429	.1069	.0129	-.0009	.0002	-.0095

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CD,C		
2455	.0129	0.0000	.9811	22.2000	0.0000	0.0000	0.0000	.0183	.0074		
2456	-1.8667	0.0000	.9832	22.2000	0.0000	0.0000	0.0000	.0163	.0073		
2457	.0173	0.0000	.9825	22.2000	0.0000	0.0000	0.0000	.0168	.0073		
2458	1.9653	0.0000	.9829	22.2000	0.0000	0.0000	0.0000	.0166	.0073		
2459	3.9270	0.0000	.9837	22.2000	0.0000	0.0000	0.0000	.0156	.0073		
2460	5.9280	0.0000	.9838	22.2000	0.0000	0.0000	0.0000	.0155	.0074		
2461	7.9541	0.0000	.9836	22.2000	0.0000	0.0000	0.0000	.0157	.0074		
2462	10.0143	0.0000	.9837	22.2000	0.0000	0.0000	0.0000	.0156	.0076		
2463	12.1254	0.0000	.9835	22.2000	0.0000	0.0000	0.0000	.0153	.0076		
2464	14.2939	0.0000	.9843	22.2000	0.0000	0.0000	0.0000	.0146	.0079		
2465	16.2042	0.0000	.9835	22.2000	0.0000	0.0000	0.0000	.0154	.0081		
2466	18.2296	0.0000	.9827	22.2000	0.0000	0.0000	0.0000	.0158	.0083		
2467	20.2464	0.0000	.9823	22.2000	0.0000	0.0000	0.0000	.0162	.0086		
2468	21.7307	0.0000	.9822	22.2000	0.0000	0.0000	0.0000	.0160	.0087		
2469	.0197	0.0000	.9851	22.2000	0.0000	0.0000	0.0000	.0144	.0075		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2455	.0129	.3459	.1024	.0119	.3459	.0766	.0119	.3459	.0950	.0119	1.0000
2456	-1.8667	.1826	.1024	-.0614	.1826	.0788	-.0614	.1826	.0951	-.0614	1.0000
2457	.0173	.3418	.1033	.0122	.3418	.0791	.0122	.3418	.0959	.0122	1.0000
2458	1.9653	.5041	.1118	.0852	.5041	.0880	.0852	.5041	.1046	.0852	1.0000
2459	3.9270	.6727	.1307	.1671	.6727	.1078	.1671	.6727	.1234	.1671	1.0000
2460	5.9280	.8200	.1550	.2480	.8200	.1320	.2480	.8200	.1476	.2480	1.0000
2461	7.9541	.9669	.1927	.3303	.9669	.1697	.3303	.9669	.1853	.3303	1.0000
2462	10.0143	1.0948	.2392	.3953	1.0948	.2160	.3953	1.0948	.2316	.3953	1.0000
2463	12.1254	1.2033	.2806	.4651	1.2033	.2576	.4651	1.2033	.2729	.4651	1.0000
2464	14.2939	1.3733	.3469	.5555	1.3733	.3264	.5555	1.3733	.3411	.5555	1.0000
2465	16.2042	1.5105	.4189	.6454	1.5105	.3954	.6454	1.5105	.4108	.6454	1.0000
2466	18.2296	1.6555	.4943	.7287	1.6555	.4782	.7287	1.6555	.4860	.7287	1.0000
2467	20.2464	1.7913	.5912	.7982	1.7913	.5664	.7982	1.7913	.5826	.7982	1.0000
2468	21.7307	1.8878	.6715	.8554	1.8878	.6469	.8554	1.8878	.6628	.8554	1.0000
2469	.0197	.3428	.1070	.0129	.3428	.0851	.0129	.3428	.0995	.0129	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2470	.166	1945	.02	.00	100498	.3411	.1055	.0118	-.0010	.0003	-.0072
2471	.166	1945	.02	.00	100491	.3353	.1842	.0130	-.0008	-.0001	-.0074
2472	.167	1952	.06	.00	100498	1.0437	-1.4642	-.4038	-.0030	-.0031	-.0045
2473	.166	1935	-1.83	.00	100508	.8805	-1.4887	-.4806	-.0023	-.0030	-.0123
2474	.166	1942	.08	.00	100501	1.0572	-1.4964	-.4086	-.0022	-.0034	-.0082
2475	.166	1949	2.01	.00	100504	1.2293	-1.5019	-.3387	-.0022	-.0031	-.0069
2476	.166	1935	3.96	.00	100504	1.4145	-1.5291	-.2656	-.0018	-.0030	.0036
2477	.167	1955	5.97	.00	100477	1.5882	-1.5338	-.1819	-.0014	-.0034	-.0009
2478	.166	1942	8.00	.00	100501	1.7564	-1.5631	-.1066	-.0010	-.0037	-.0020
2479	.166	1945	10.07	.00	100487	1.9196	-1.5812	-.0279	-.0022	-.0044	-.0003
2480	.167	1968	12.18	.00	100457	2.0631	-1.5953	.0413	-.0018	-.0047	.0008
2481	.165	1925	14.27	.00	100497	2.2491	-1.6582	.1143	-.0029	-.0054	.0000
2482	.166	1935	16.26	.00	100484	2.4110	-1.6885	.2004	-.0021	-.0061	.0044
2483	.165	1922	18.27	.00	100494	2.5692	-1.6718	.2935	-.0026	-.0059	-.0020
2484	.166	1945	20.29	.00	100467	2.7521	-1.6800	.3719	-.0006	-.0049	-.0064
2485	.167	1958	21.89	.00	100454	2.8893	-1.6774	.4302	-.0002	-.0058	-.0052
2486	.167	1962	.07	.00	100471	1.0746	-1.5280	-.4302	-.0011	-.0039	-.0041
2487	.166	1935	.03	.00	100504	.3393	-.0943	.0107	-.0008	-.0001	-.0074

TEST			995			RUN			146		
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2470	.0196	0.0000	.9849	22.2000	0.0000	0.0000	0.0000	.0146	.0075		
2471	.0192	0.0000	.9848	22.2000	0.0000	0.0000	0.0000	.0146	.0074		
2472	.0590	27.7792	2.7262	20.9803	1.6681	1.6869	0.0000	-1.6569	.0145		
2473	-1.8293	27.9164	2.7463	20.8282	1.6970	1.7161	0.0000	-1.6897	.0142		
2474	.0781	28.0049	2.7505	20.7961	1.6976	1.7167	0.0000	-1.6888	.0146		
2475	2.0070	27.9975	2.7568	20.7485	1.6933	1.7123	0.0000	-1.6882	.0150		
2476	3.9647	28.0533	2.7607	20.7186	1.7114	1.7307	0.0000	-1.7005	.0157		
2477	5.9711	28.1700	2.7697	20.6506	1.7055	1.7247	0.0000	-1.6863	.0165		
2478	8.0011	28.2353	2.7761	20.6022	1.7227	1.7421	0.0000	-1.6969	.0175		
2479	10.0684	28.2894	2.7845	20.5386	1.7257	1.7451	0.0000	-1.6920	.0188		
2480	12.1756	28.4117	2.7990	20.4292	1.7180	1.7373	0.0000	-1.6731	.0199		
2481	14.2686	28.4736	2.8073	20.3662	1.7626	1.7825	0.0000	-1.7043	.0212		
2482	16.2628	28.5444	2.8166	20.2962	1.7599	1.7797	0.0000	-1.6679	.0221		
2483	18.2736	28.0932	2.7654	20.6837	1.7314	1.7589	0.0000	-1.6338	.0239		
2484	20.2900	28.2461	2.7791	20.5800	1.7243	1.7437	0.0000	-1.6066	.0250		
2485	21.8908	28.3262	2.7845	20.5391	1.7184	1.7377	0.0000	-1.5833	.0262		
2486	.0696	28.6127	2.8120	20.3300	1.7366	1.7561	0.0000	-1.7300	.0143		
2487	.0263	0.0000	.9756	22.2000	0.0000	0.0000	0.0000	.0236	.0075		

TEST			RUN								
995			146								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2470	.0196	.3410	.1056	.0118	.3410	.0835	.0118	.3410	.0981	.0118	1.0000
2471	.0192	.3353	.1044	.0130	.3353	.0823	.0130	.3353	.0969	.0130	1.0000
2472	.0590	1.0452	-1.4631	-.4038	1.0435	.1905	-.2156	1.0453	-1.5895	-.4164	1.8000
2473	-1.8293	.8325	-1.5161	-.4886	.8867	.1659	-.2892	.8299	-1.6132	-.4900	1.8000
2474	.0781	1.0592	-1.4950	-.4086	1.0569	.1880	-.2171	1.0593	-1.5920	-.4179	1.8000
2475	2.0070	1.2812	-1.4579	-.3387	1.2219	.2194	-.1476	1.2842	-1.5595	-.3485	1.8000
2476	3.9647	1.5168	-1.4276	-.2656	1.3985	.2640	-.0726	1.5216	-1.5117	-.2734	1.8000
2477	5.9711	1.7392	-1.3603	-.1819	1.5617	.3195	.0105	1.7469	-1.4509	-.1903	1.8000
2478	8.0011	1.9569	-1.3034	-.1066	1.7171	.3850	.0877	1.9649	-1.3777	-.1131	1.8000
2479	10.0684	2.1665	-1.2212	-.0279	1.8648	.4591	.1667	2.1760	-1.2935	-.0341	1.8000
2480	12.1756	2.3532	-1.1243	.0413	1.9908	.5352	.2351	2.3663	-1.2047	.0343	1.8000
2481	14.2686	2.5884	-1.0527	.1143	2.1540	.6344	.3131	2.5927	-1.0907	.1123	1.8000
2482	16.2628	2.7851	-.9381	.2004	2.2923	.7292	.3990	2.7907	-.9795	.1982	1.8000
2483	18.2736	2.9638	-.7813	.2935	2.4209	.8384	.4889	2.9790	-.8519	.2880	1.8000
2484	20.2900	3.1639	-.6214	.3719	2.5659	.9709	.5664	3.1832	-.6986	.3656	1.8000
2485	21.8908	3.3063	-.4792	.4302	2.6656	1.0892	.6241	3.3293	-.5625	.4233	1.8000
2486	.0696	1.0765	-1.5267	-.4302	1.0744	.1955	-.2343	1.0766	-1.5845	-.4351	1.8000
2487	.0263	.3392	.0944	.0107	.3392	.0633	.0107	.3392	.0869	.0107	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2490	.166	1935	.01	-0.00	100531	.2586	.0902	-.2273	-.0002	.0004	.0011
2491	.166	1935	-1.87	-0.00	100531	.0972	.1085	-.2967	-.0012	.0004	-.0039
2492	.167	1952	.03	-0.00	100521	.2601	.0901	-.2254	-.0006	.0004	.0012
2493	.167	1958	1.94	-0.00	100508	.4301	.0703	-.1550	-.0016	.0003	.0040
2494	.166	1942	3.92	-0.00	100521	.5925	.0471	-.0774	-.0014	.0005	-.3002
2495	.166	1945	5.90	-0.00	100525	.7366	.0189	.0004	-.0013	.0002	.0046
2496	.166	1939	7.94	-0.00	100525	.8651	-.0083	.0051	-.0022	.0002	.0042
2497	.166	1932	10.01	-.00	100528	1.0183	-.0379	.1725	-.0027	.0001	.0025
2498	.167	1958	12.12	-0.00	100518	1.1566	-.0713	.2633	-.0029	-.0003	.0053
2499	.166	1949	14.21	-0.00	100511	1.3328	-.1037	.3564	-.0017	-.0008	.0042
2500	.167	1952	16.18	-0.00	100518	1.4640	-.1349	.4456	-.0010	-.0006	.0022
2501	.167	1952	18.22	-0.00	100511	1.6232	-.1632	.5286	-.0004	-.0015	.0021
2502	.165	1922	20.21	-0.00	100531	1.7855	-.1710	.6122	-.0000	-.0004	.0004
2503	.166	1939	21.86	-0.00	100514	1.9085	-.1701	.6846	.0002	.0001	-.0034
2504	.167	1952	.02	-.00	100508	.2493	.0942	-.2281	-.0005	.0004	-.0023

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2490	.0091	0.0000	.9776	22.2000	0.0000	0.0000	0.0000	.0217	.0075		
2491	-1.8684	0.0000	.9778	22.2000	0.0000	0.0000	0.0000	.0215	.0075		
2492	.0279	0.0000	.9773	22.2000	0.0000	0.0000	0.0000	.0217	.0074		
2493	1.9443	0.0000	.9768	22.2000	0.0000	0.0000	0.0000	.0222	.0074		
2494	3.9220	0.0000	.9779	22.2000	0.0000	0.0000	0.0000	.0212	.0074		
2495	5.9026	0.0000	.9778	22.2000	0.0000	0.0000	0.0000	.0213	.0074		
2496	7.9356	0.0000	.9786	22.2000	0.0000	0.0000	0.0000	.0205	.0072		
2497	10.0135	0.0000	.9784	22.2000	0.0000	0.0000	0.0000	.0206	.0072		
2498	12.1194	0.0000	.9786	22.2000	0.0000	0.0000	0.0000	.0200	.0071		
2499	14.2076	0.0000	.9776	22.2000	0.0000	0.0000	0.0000	.0196	.0072		
2500	16.1825	0.0000	.9788	22.2000	0.0000	0.0000	0.0000	.0193	.0074		
2501	18.2207	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0200	.0080		
2502	20.2140	0.0000	.9774	22.2000	0.0000	0.0000	0.0000	.0203	.0081		
2503	21.8599	0.0000	.9798	22.2000	0.0000	0.0000	0.0000	.0194	.0075		
2504	.0153	0.0000									

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
2490	.0091	.2587	.0903	-.2273	.2587	.0611	-.2273	.2587	.0828	-.2273	1.0000
2491	-1.8684	.1007	.1052	-.2967	.1007	.0762	-.2967	.1007	.0977	-.2967	1.0000
2492	.0279	.2600	.0902	-.2254	.2600	.0611	-.2254	.2600	.0829	-.2254	1.0000
2493	1.9443	.4275	.0848	-.1550	.4275	.0552	-.1550	.4275	.0874	-.1550	1.0000
2494	3.9220	.5879	.0875	-.0774	.5879	.0588	-.0774	.5879	.0801	-.0774	1.0000
2495	5.9026	.7308	.0946	-.0084	.7308	.0659	.0004	.7308	.0872	.0004	1.0000
2496	7.9356	.8579	.1112	.0051	.8579	.0835	.0051	.8579	.1040	.0051	1.0000
2497	10.0135	1.0094	.1397	.1725	1.0094	.1119	.1725	1.0094	.1325	.1725	1.0000
2498	12.1194	1.1458	.1731	.2633	1.1458	.13175	.2633	1.1458	.1660	.2633	1.0000
2499	14.2076	1.3175	.2266	.3564	1.3175	.1905	.3564	1.3175	.2194	.3564	1.0000
2500	16.1825	1.4436	.2785	.4456	1.4436	.2515	.4456	1.4436	.2711	.4456	1.0000
2501	18.2207	1.5929	.3526	.5286	1.5929	.3256	.5286	1.5929	.3449	.5286	1.0000
2502	20.2140	1.7346	.4564	.6122	1.7346	.4205	.6122	1.7346	.4405	.6122	1.0000
2503	21.8599	1.8346	.5528	.6846	1.8346	.5243	.6846	1.8346	.5447	.6846	1.0000
2504	.0153	.2493	.0942	-.2281	.2493	.0673	-.2281	.2493	.0868	-.2281	1.0000

NASA LANGLEY										
TEST 995			7 X 10 HIGH SPEED TUNNEL							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	RUN 148				
						CNF	CAF	CPM	CRM,B	CYM,B
2506	.167	1955	.01	-.00	100498	.2537	.0937	-.2258	-.0001	.0003
2507	.166	1949	.05	-.00	100518	.9909	-1.5493	-.6742	.0008	-.0013
2508	.166	1939	-1.84	-.00	100528	.8249	-1.5486	-.7492	.0004	-.0015
2509	.167	1965	.08	-.00	100505	.9736	-1.5154	-.6648	-.0002	-.0012
2510	.167	1955	2.00	-.00	100515	1.1493	-1.5454	-.5969	-.0003	-.0011
2511	.167	1952	3.95	-.00	100515	1.3327	-1.5705	-.5241	-.0007	-.0017
2512	.166	1942	5.96	-.00	100521	1.5016	-1.6015	-.4492	-.0001	-.0014
2513	.167	1952	7.99	-.00	100511	1.6614	-1.6227	-.3675	-.0003	-.0014
2514	.167	1968	10.06	-.00	100501	1.8089	-1.5430	-.2784	-.0010	-.0022
2515	.167	1958	12.17	-.00	100515	1.9654	-1.6925	-.1938	-.0018	-.0030
2516	.167	1965	14.26	-.00	100508	2.1406	-1.7295	-.0998	-.0004	-.0030
2517	.166	1942	16.26	-.00	100518	2.3279	-1.7904	-.0286	-.0013	-.0035
2518	.166	1939	18.25	-.00	100521	2.4972	-1.8075	.0609	-.0004	-.0056
2519	.166	1942	20.26	.00	100531	2.6184	-1.7910	.1354	-.0011	-.0047
2520	.166	1942	21.84	.00	100511	2.7255	-1.7807	.2062	-.0003	-.0039
2521	.166	1949	.05	-.00	100491	1.0139	-1.5823	-.6936	.0011	-.0017
2522	.166	1949	.02	-.00	100491	.2521	.0876	-.2298	-.0007	.0003

TEST		995		RUN		148			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C
2506	.0065	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0200	.0074
2507	.0468	28.5130	2.7833	20.5481	1.7326	1.7521	0.0000	-1.7149	.0129
2508	-1.8392	28.6322	2.7922	20.4805	1.7517	1.7714	0.0000	-1.7316	.0126
2509	.0810	28.2729	2.7628	20.7031	1.7009	1.7200	0.0000	-1.6808	.0129
2510	2.0028	28.2066	2.7603	20.7221	1.7073	1.7265	0.0000	-1.6860	.0133
2511	3.9518	28.1809	2.7543	20.7674	1.7073	1.7265	0.0000	-1.6801	.0137
2512	5.9570	28.1422	2.7516	20.7875	1.7131	1.7323	0.0000	-1.6811	.0143
2513	7.9878	28.1403	2.7538	20.7711	1.7065	1.7257	0.0000	-1.6673	.0149
2514	10.0569	28.1470	2.7570	20.7470	1.6953	1.7144	0.0000	-1.6467	.0154
2515	12.1662	28.2303	2.7625	20.7050	1.7107	1.7300	0.0000	-1.6485	.0162
2516	14.2641	28.3267	2.7723	20.6313	1.7145	1.7337	0.0000	-1.6378	.0171
2517	16.2641	28.4267	2.7859	20.5284	1.7453	1.7650	0.0000	-1.6543	.0183
2518	18.2532	28.4487	2.7847	20.5371	1.7496	1.7693	0.0000	-1.6383	.0200
2519	20.2612	28.5131	2.7909	20.4904	1.7520	1.7716	0.0000	-1.6214	.0222
2520	21.8436	28.5472	2.7986	20.4319	1.7569	1.7767	0.0000	-1.6108	.0241
2521	.0544	28.7653	2.8211	20.2620	1.7723	1.7923	0.0000	-1.7508	.0127
2522	.0178	0.0000	.9658	22.2000	0.0000	0.0000	0.0000	.0329	.0074

NASA LANGLEY										
TEST 995			7 X 10 HIGH SPEED TUNNEL							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 148				
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM
2506	.0065	.2537	.0937	-.2258	.2537	.0662	-.2258	.2537	.0863	-.2258
2507	.0468	.9922	-1.5485	-.6742	.9908	.1713	-.4787	.9922	-1.6087	-.6795
2508	-1.8392	.7748	-1.5743	-.7492	.8310	.1640	-.5516	.7738	-1.6151	-.7524
2509	.0810	.9758	-1.5140	-.6648	.9734	.1740	-.4729	.9759	-1.6060	-.6738
2510	2.0028	1.2026	-1.5043	-.5969	1.1430	.1886	-.4043	1.2052	-1.5903	-.6051
2511	3.9518	1.4377	-1.4749	-.5241	1.3201	.2146	-.3315	1.4427	-1.5612	-.5323
2512	5.9570	1.6597	-1.4371	-.4492	1.4819	.2524	-.2560	1.6667	-1.5179	-.4568
2513	7.9878	1.8708	-1.3760	-.3675	1.6336	.2990	-.1750	1.8810	-1.4638	-.3758
2514	10.0569	2.0681	-1.3019	-.2784	1.7720	.3520	-.0871	2.0828	-1.4006	-.2879
2515	12.1662	2.2780	-1.2403	-.1938	1.9174	.4158	-.0008	2.2926	-1.3242	-.2017
2516	14.2641	2.5007	-1.1488	-.0998	2.0783	.4957	.0936	2.5168	-1.2294	-.1072
2517	16.2641	2.7361	-1.0668	-.0206	2.2473	.5984	.1763	2.7458	-1.1183	-.0245
2518	18.2532	2.9377	-.9344	.0609	2.3896	.7072	.2583	2.9472	-.9832	.0575
2519	20.2612	3.0766	-.7734	.1354	2.4699	.8479	.3331	3.0863	-.8220	.1323
2520	21.8436	3.1924	-.6387	.2062	2.5387	.9680	.4044	3.2010	-.6842	.2036
2521	.0544	1.0154	-1.5814	-.6936	1.0138	.1783	-.4936	1.0154	-1.6017	-.6945
2522	.0178	.2521	.0877	-.2298	.2521	.0474	-.2298	.2521	.0803	-.2298

NASA LANGLEY											
TEST 995			RUN 7 X 10 HIGH SPEED TUNNEL 149								
POINT	MACH	Q N/ (MXM)	ALPHA DEG	BETA DEG	P, INF N/ (MXM)	GNF	CAF	GPM	CRM, B	CYM, B	CSF
2525	.166	1949	.01	.00	100450	.3013	.0043	-.1129	-.0007	.0004	-.0048
2526	.166	1935	-1.87	-.00	100460	.1451	.0997	-.1715	-.0019	.0005	-.0048
2527	.166	1942	.04	-.00	100450	.3061	.0049	-.1091	-.0007	.0008	-.0046
2528	.166	1939	1.96	-.00	100453	.4692	.0694	-.0480	-.0017	.0003	-.0009
2529	.166	1935	3.91	-.00	100453	.6348	.0541	.0246	-.0020	.0005	.0006
2530	.166	1935	5.91	-.00	100464	.7878	.0330	.1037	-.0020	.0002	.0031
2531	.166	1935	7.95	-.00	100450	.9341	.0124	.1797	-.0024	.0002	.0081
2532	.166	1932	10.02	-.00	100453	1.0763	-.0071	.2622	-.0012	.0003	.0023
2533	.165	1925	12.11	-.00	100460	1.2194	-.0363	.3443	-.0019	-.0003	.0051
2534	.166	1942	14.21	-.00	100454	1.3595	-.0645	.4091	-.0017	.0001	.0041
2535	.166	1939	16.21	.00	100457	1.4927	-.0907	.4822	-.0017	-.0006	-.0030
2536	.166	1929	18.20	-.00	100453	1.6465	-.1137	.5584	-.0011	-.0008	.0075
2537	.165	1925	20.21	-.00	100460	1.7832	-.1200	.6378	-.0004	.0003	.0010
2538	.166	1929	21.72	-.00	100457	1.8873	-.1229	.7021	.0005	.0005	-.0032
2539	.166	1949	.02	.00	100440	.3049	.0920	-.1104	-.0005	.0013	-.0137

NASA LANGLEY											
TEST 995			RUN 149								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA, T DEG	CT	CMU, N	CMU, J	CD, N	CO, C		
2525	.0142	0.0000	.9776	22.2000	0.0000	0.0000	0.0000	.0216	.0076		
2526	-1.8677	0.0000	.9783	22.2000	0.0000	0.0000	0.0000	.0210	.0076		
2527	.0426	0.0000	.9779	22.2000	0.0000	0.0000	0.0000	.0213	.0075		
2528	1.9585	0.0000	.9795	22.2000	0.0000	0.0000	0.0000	.0198	.0075		
2529	3.9060	0.0000	.9795	22.2000	0.0000	0.0000	0.0000	.0198	.0075		
2530	5.9059	0.0000	.9798	22.2000	0.0000	0.0000	0.0000	.0195	.0074		
2531	7.9463	0.0000	.9808	22.2000	0.0000	0.0000	0.0000	.0184	.0076		
2532	10.0155	0.0000	.9802	22.2000	0.0000	0.0000	0.0000	.0189	.0077		
2533	12.1122	0.0000	.9808	22.2000	0.0000	0.0000	0.0000	.0183	.0078		
2534	14.2069	0.0000	.9809	22.2000	0.0000	0.0000	0.0000	.0178	.0078		
2535	16.2113	0.0000	.9802	22.2000	0.0000	0.0000	0.0000	.0183	.0078		
2536	18.2028	0.0000	.9799	22.2000	0.0000	0.0000	0.0000	.0186	.0081		
2537	20.2078	.0403	.9792	22.2000	0.0000	0.0000	0.0000	.0190	.0082		
2538	21.7245	0.0000	.9800	22.2000	0.0000	0.0000	0.0000	.0181	.0084		
2539	.0215	0.0000	.9797	22.2000	0.0000	0.0000	0.0000	.0196	.0075		

NASA LANGLEY											
TEST 995			RUN 149								
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
2525	.0142	.3013	.0844	-.1129	.3013	.0552	-.1129	.3013	.0768	-.1129	1.0000
2526	-1.8677	.1483	.0949	-.1715	.1483	.0663	-.1715	.1483	.0873	-.1715	1.0000
2527	.0426	.3061	.0851	-.1091	.3061	.0563	-.1091	.3061	.0776	-.1091	1.0000
2528	1.9585	.4665	.0854	-.0480	.4665	.0581	-.0480	.4665	.0779	-.0480	1.0000
2529	3.9060	.6296	.0972	.0246	.6296	.0780	.0246	.6296	.0898	.0246	1.0000
2530	5.9059	.7803	.1139	.1037	.7803	.0870	.1037	.7803	.1065	.1037	1.0000
2531	7.9463	.9234	.1414	.1797	.9234	.1155	.1797	.9234	.1339	.1797	1.0000
2532	10.0155	1.0611	.1801	.2622	1.0611	.1536	.2622	1.0611	.1725	.2622	1.0000
2533	12.1122	1.1999	.2204	.3443	1.1999	.1943	.3443	1.1999	.2125	.3443	1.0000
2534	14.2069	1.3338	.2711	.4091	1.3338	.2455	.4091	1.3338	.2633	.4091	1.0000
2535	16.2113	1.4587	.3296	.4822	1.4587	.3035	.4822	1.4587	.3218	.4822	1.0000
2536	18.2028	1.5996	.4063	.5584	1.5996	.3797	.5584	1.5996	.3982	.5584	1.0000
2537	20.2078	1.7148	.5033	.6378	1.7148	.4761	.6378	1.7148	.4951	.6378	1.0000
2538	21.7245	1.7988	.5844	.7021	1.7988	.5580	.7021	1.7988	.5761	.7021	1.0000
2539	.0215	.3049	.0921	-.1104	.3049	.0650	-.1104	.3049	.0845	-.1104	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		150					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P, INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2540	.166	1942	.01	-.00	100443	.3061	.0931	-.1093	-.0007	.0008	-.0023
2541	.166	1942	.01	-.00	100433	.2967	.0907	-.1081	-.0002	.0007	-.0002
2542	.166	1949	.05	-.00	100447	1.0522	-1.5611	-.5652	.0021	.0004	.0121
2543	.167	1955	-1.83	-.00	100447	.8847	-1.5533	-.6232	.0025	.0011	-.0008
2544	.166	1945	.08	-.00	100447	1.0620	-1.5797	-.5714	.0010	.0006	.0046
2545	.166	1945	2.01	-.00	100443	1.2220	-1.5586	-.4997	.0014	.0012	.0045
2546	.167	1962	3.94	-.00	100440	1.3947	-1.5704	-.4271	.0003	.0004	.0059
2547	.167	1965	5.96	-.00	100440	1.5645	-1.5933	-.3522	.0014	.0008	.0048
2548	.167	1955	7.98	-.00	100457	1.7357	-1.6306	-.2819	.0013	.0004	.0061
2549	.167	1965	10.06	-.00	100450	1.8847	-1.6490	-.2001	.0011	-.0001	.0053
2550	.167	1952	12.16	-.00	100457	2.0512	-1.6958	-.1229	.0008	-.0003	.0070
2551	.166	1942	14.27	-.00	100474	2.2253	-1.7402	-.0574	.0021	-.0005	.0078
2552	.166	1942	16.26	-.00	100477	2.3800	-1.7782	.0085	.0007	-.0018	.0033
2553	.166	1939	18.26	-.00	100494	2.4979	-1.7269	.0996	.0004	-.0031	-.0006
2554	.166	1945	20.25	-.00	100477	2.6473	-1.7161	.1722	.0011	-.0016	.0046
2555	.167	1955	21.88	-.00	100477	2.7536	-1.7109	.2312	.0020	-.0014	.0049
2556	.166	1935	.06	-.00	100477	1.0554	-1.5706	-.5698	.0018	.0009	.0067
2557	.166	1939	.02	-.00	100430	.3054	.0847	-.1109	-.0000	.0003	.0007
2558	.166	1945	.01	-.00	100423	.3055	.0846	-.1108	-.0001	.0005	-.0026

TEST		995		RUN		150					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2540	.0147	1.3295	.9801	22.2000	0.0000	0.0000	0.0000	.0192	.0075		
2541	.0118	0.0000	.9799	22.2000	0.0000	0.0000	0.0000	.0194	.0072		
2542	.0460	28.5038	2.8185	20.2812	1.7412	1.7607	0.0000	-1.7476	.0136		
2543	-1.8296	28.6186	2.8287	20.2045	1.7461	1.7658	0.0000	-1.7505	.0135		
2544	.0834	28.6825	2.8369	20.1420	1.7607	1.7805	0.0000	-1.7682	.0135		
2545	2.0081	28.1965	2.7887	20.5873	1.7197	1.7390	0.0000	-1.7207	.0140		
2546	3.9445	28.2574	2.7984	20.4337	1.7132	1.7324	0.0000	-1.7124	.0146		
2547	5.9602	28.3553	2.8061	20.3756	1.7176	1.7369	0.0000	-1.7116	.0151		
2548	7.9842	28.4244	2.8096	20.3491	1.7324	1.7518	0.0000	-1.7164	.0161		
2549	10.0594	28.4648	2.8172	20.2911	1.7276	1.7470	0.0000	-1.7051	.0171		
2550	12.1644	28.5268	2.8245	20.2360	1.7456	1.7652	0.0000	-1.7112	.0184		
2551	14.2651	28.6348	2.8388	20.1280	1.7664	1.7863	0.0000	-1.7188	.0202		
2552	16.2552	28.7332	2.8465	20.0693	1.7747	1.7946	0.0000	-1.7098	.0215		
2553	18.2633	28.0067	2.7696	20.6915	1.7129	1.7321	0.0000	-1.6239	.0234		
2554	20.2510	28.1104	2.7829	20.5507	1.7164	1.7357	0.0000	-1.6106	.0248		
2555	21.8766	28.2360	2.7967	20.4464	1.7199	1.7393	0.0000	-1.5973	.0259		
2556	.0572	28.4333	2.8187	20.2799	1.7562	1.7759	0.0000	-1.7602	.0136		
2557	.0169	0.0000	.9643	22.2000	0.0000	0.0000	0.0000	.0345	.0075		
2558	.0100	0.0000	.9655	22.2000	0.0000	0.0000	0.0000	.0332	.0075		

TEST		995		RUN		150					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2540	.0147	.3061	.0931	-.1093	.3061	.0665	-.1093	.3061	.0856	-.1093	1.0000
2541	.0118	.2967	.0907	-.1081	.2967	.0641	-.1081	.2967	.0835	-.1081	1.0000
2542	.0460	1.0535	-1.5603	-.5652	1.0521	.1672	-.3687	1.0535	-1.6128	-.5695	1.0000
2543	-1.8296	.8346	-1.5807	-.6232	.8904	.1511	-.4262	.8336	-1.6280	-.6271	1.0000
2544	.0834	1.0643	-1.5782	-.5714	1.0618	.1690	-.3728	1.0644	-1.6110	-.5736	1.0000
2545	2.0081	1.2759	-1.5148	-.4997	1.2156	.1898	-.3057	1.2780	-1.5892	-.5065	1.0000
2546	3.9445	1.4994	-1.4708	-.4271	1.3816	.2238	-.2338	1.5040	-1.5520	-.4346	1.0000
2547	5.9602	1.7215	-1.4222	-.3522	1.5431	.2710	-.1585	1.7280	-1.4994	-.3593	1.0000
2548	7.9842	1.9454	-1.3737	-.2819	1.7047	.3258	-.0864	1.9520	-1.4369	-.2873	1.0000
2549	10.0594	2.1438	-1.2944	-.2001	1.8420	.3895	-.0052	2.1529	-1.3631	-.2060	1.0000
2550	12.1644	2.3625	-1.2255	-.1229	1.9947	.4625	.0740	2.3697	-1.2775	-.1268	1.0000
2551	14.2651	2.5855	-1.1382	-.0574	2.1502	.5536	.1419	2.5888	-1.1715	-.0589	1.0000
2552	16.2552	2.7827	-1.0409	.0085	2.2859	.6413	.2087	2.7841	-1.0675	.0079	1.0000
2553	18.2633	2.9132	-.8571	.0996	2.3765	.7461	.2928	2.9343	-.9442	.0920	1.0000
2554	20.2510	3.0777	-.6937	.1722	2.4836	.8918	.3658	3.0997	-.7782	.1650	1.0000
2555	21.8766	3.1928	-.5617	.2312	2.5519	1.0085	.4253	3.2151	-.6433	.2245	1.0000
2556	.0572	1.0569	-1.5695	-.5698	1.0552	.1731	-.3716	1.0570	-1.6069	-.5725	1.0000
2557	.0169	.3054	.0848	-.1109	.3054	.0428	-.1109	.3054	.0773	-.1109	1.0000
2558	.0100	.3055	.0847	-.1108	.3055	.0440	-.1108	.3055	.0772	-.1108	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 151								
POINT	MACH	Q N/(HXN)	ALPHA DEG	BETA DEG	P,INF N/(HXN)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2561	.166	1939	.03	-.00	100437	.3438	.1287	.0693	-.0011	.0018	.0124
2562	.166	1932	-1.85	-.00	100443	.1904	.1257	.0150	-.0020	-.0000	-.0041
2563	.166	1942	.05	-.00	100437	.3483	.1193	.0729	-.0019	.0000	.0021
2564	.166	1935	1.97	-.00	100450	.5108	.1163	.1317	-.0020	.0002	.0009
2565	.166	1939	3.93	-.00	100453	.6655	.1067	.1804	-.0019	.0002	.0018
2566	.167	1955	5.93	-.00	100450	.8040	.0844	.2164	-.0014	.0005	.0002
2567	.166	1942	7.94	-.00	100457	.9417	.0674	.2844	-.0015	-.0000	-.0010
2568	.166	1932	10.02	-.00	100470	1.0799	.0481	.3546	-.0010	.0001	.0001
2569	.166	1939	12.16	-.00	100467	1.2323	.0241	.4325	-.0018	-.0003	.0040
2570	.167	1958	14.22	-.00	100454	1.3944	.0002	.5098	-.0034	-.0005	.0037
2571	.166	1949	16.22	-.00	100460	1.5389	-.0193	.5922	-.0023	-.0009	.0022
2572	.166	1939	18.24	-.00	100477	1.6733	-.0347	.6636	-.0011	-.0009	.0008
2573	.166	1939	20.19	-.00	100474	1.8284	-.0411	.7402	-.0002	-.0003	-.0024
2574	.166	1949	21.87	-.00	100474	1.9412	-.0440	.7975	.0002	.0006	-.0018
2575	.167	1968	.04	-.00	100461	.3403	.1286	.0751	-.0011	.0002	-.0027

TEST										
995										
RUN 151										
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
2561	.0276	0.0000	.9777	22.2000	0.0000	0.0000	0.0000	.0215	.0079	
2562	-1.8511	0.0000	.9779	22.2000	0.0000	0.0000	0.0000	.0214	.0078	
2563	.0467	0.0000	.9784	22.2000	0.0000	0.0000	0.0000	.0209	.0079	
2564	1.9738	0.0000	.9790	22.2000	0.0000	0.0000	0.0000	.0203	.0080	
2565	3.9302	0.0000	.9796	22.2000	0.0000	0.0000	0.0000	.0196	.0081	
2566	5.9268	0.0000	.9799	22.2000	0.0000	0.0000	0.0000	.0192	.0078	
2567	7.9419	0.0000	.9794	22.2000	0.0000	0.0000	0.0000	.0197	.0078	
2568	10.0189	0.0000	.9804	22.2000	0.0000	0.0000	0.0000	.0188	.0079	
2569	12.1626	0.0000	.9804	22.2000	0.0000	0.0000	0.0000	.0185	.0079	
2570	14.2177	0.0000	.9802	22.2000	0.0000	0.0000	0.0000	.0183	.0082	
2571	16.2226	0.0000	.9802	22.2000	0.0000	0.0000	0.0000	.0182	.0085	
2572	18.2370	0.0000	.9795	22.2000	0.0000	0.0000	0.0000	.0188	.0089	
2573	20.1929	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0189	.0093	
2574	21.8710	0.0000	.9788	22.2000	0.0000	0.0000	0.0000	.0189	.0095	
2575	.0443	0.0000	.9816	22.2000	0.0000	0.0000	0.0000	.0175	.0078	

TEST											
995											
RUN 151											
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2561	.0276	.3438	.1289	.0693	.3438	.0914	.0693	.3438	.1129	.0693	1.0000
2562	-1.8511	.1943	.1195	.0150	.1943	.0903	.0150	.1943	.1117	.0150	1.0000
2563	.0467	.3482	.1196	.0729	.3482	.0908	.0729	.3482	.1117	.0729	1.0000
2564	1.9738	.5065	.1339	.1317	.5065	.1055	.1317	.5065	.1259	.1317	1.0000
2565	3.9302	.6566	.1520	.1804	.6566	.1243	.1804	.6566	.1439	.1804	1.0000
2566	5.9268	.7910	.1670	.2164	.7910	.1488	.2164	.7910	.1592	.2164	1.0000
2567	7.9419	.9233	.1969	.2844	.9233	.1694	.2844	.9233	.1891	.2844	1.0000
2568	10.0189	1.0551	.2352	.3546	1.0551	.2086	.3546	1.0551	.2274	.3546	1.0000
2569	12.1626	1.1996	.2832	.4325	1.1996	.2568	.4325	1.1996	.2753	.4325	1.0000
2570	14.2177	1.3516	.3427	.5098	1.3516	.3162	.5098	1.3516	.3346	.5098	1.0000
2571	16.2226	1.4830	.4114	.5922	1.4830	.3846	.5922	1.4830	.4078	.5922	1.0000
2572	18.2370	1.6081	.4907	.6636	1.6081	.4638	.6636	1.6081	.4818	.6636	1.0000
2573	20.1929	1.7302	.5925	.7402	1.7302	.5643	.7402	1.7302	.5833	.7402	1.0000
2574	21.8710	1.8179	.6823	.7975	1.8179	.6548	.7975	1.8179	.6729	.7975	1.0000
2575	.0443	.3402	.1289	.0751	.3402	.1036	.0751	.3402	.1211	.0751	1.0000

NASA LANGLEY											
TEST 995			RUN 7 X 10 HIGH SPEED TUNNEL 152								
POINT	HACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	GPM	GRM,B	CYM,B	CSF
2576	.168	1982	.04	-.00	100464	.3368	.1272	.0736	-.0009	.0003	-.0016
2577	.167	1955	.03	-.00	100474	.3426	.1288	.0749	-.0011	.0003	-.0016
2578	.169	2004	.08	-.00	100481	1.0483	-1.4664	-.3594	.0010	.0015	.0011
2579	.169	2011	-1.81	-.00	100481	.8827	-1.4700	-.4162	.0007	.0016	-.0001
2580	.168	1992	.11	-.00	100491	1.0643	-1.5033	-.3723	.0009	.0013	.0034
2581	.168	1982	2.03	-.00	100495	1.2431	-1.5254	-.3196	.0004	.0012	.0047
2582	.167	1965	3.97	-.00	100484	1.4882	-1.5301	-.2597	-.0006	.0009	.0059
2583	.169	2015	5.95	-.00	100481	1.5056	-1.4908	-.2016	.0009	.0017	.0030
2584	.168	1988	7.99	-.00	100501	1.6616	-1.5332	-.1505	.0008	.0017	.0030
2585	.167	1972	10.06	-.00	100491	1.8349	-1.5681	-.0821	.0004	.0011	.0020
2586	.165	1922	12.16	-.00	100507	2.0339	-1.6394	-.0144	.0002	.0004	.0067
2587	.169	1998	14.27	-.00	100491	2.1424	-1.6081	.0619	-.0011	-.0004	.0081
2588	.166	1932	16.27	-.00	100497	2.3705	-1.6858	.1408	-.0003	-.0014	.0101
2589	.167	1955	18.28	-.00	100488	2.5183	-1.6805	.2155	.0001	-.0020	.0066
2590	.167	1955	20.28	-.00	100494	2.6779	-1.6873	.2856	-.0002	-.0011	.0073
2591	.167	1968	21.92	-.00	100488	2.7854	-1.6632	.3480	.0015	-.0006	.0016
2592	.166	1929	.08	-.00	100497	1.0895	-1.5472	-.3805	.0015	.0014	.0033
2593	.166	1949	.04	-.00	100474	.3492	.1072	.0695	-.0012	.0003	-.0015

NASA LANGLEY											
TEST 995			RUN 152								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2576	.0441	0.0000	.9825	22.2000	0.0000	0.0000	0.0000	.0165	.0078		
2577	.0280	.0591	.9815	22.2000	0.0000	0.0000	0.0000	.0177	.0079		
2578	.0776	28.5914	2.8185	20.2814	1.6820	1.7009	0.0000	-1.6964	.0140		
2579	-1.8086	28.6666	2.8281	20.2086	1.6881	1.7071	0.0000	-1.7017	.0135		
2580	.1078	28.7682	2.8437	20.0908	1.7177	1.7370	0.0000	-1.7343	.0140		
2581	2.0255	28.9035	2.8547	20.0073	1.7379	1.7574	0.0000	-1.7524	.0148		
2582	3.9691	28.5785	2.8148	20.3093	1.7208	1.7401	0.0000	-1.7258	.0158		
2583	5.9518	28.4822	2.8029	20.3998	1.6654	1.6841	0.0000	-1.6672	.0163		
2584	7.9945	28.5765	2.8045	20.3874	1.6905	1.7095	0.0000	-1.6839	.0172		
2585	10.0584	28.6869	2.8114	20.3355	1.7076	1.7268	0.0000	-1.6946	.0185		
2586	12.1620	28.8195	2.8194	20.2750	1.7569	1.7767	0.0000	-1.7336	.0199		
2587	14.2720	28.9022	2.8309	20.1877	1.6960	1.7150	0.0000	-1.6636	.0206		
2588	16.2656	28.9327	2.8241	20.2393	1.7538	1.7735	0.0000	-1.6979	.0225		
2589	18.2817	28.9603	2.8255	20.2286	1.7349	1.7543	0.0000	-1.6607	.0240		
2590	20.2815	29.0462	2.8324	20.1764	1.7406	1.7602	0.0000	-1.6469	.0255		
2591	21.9161	28.9367	2.8275	20.2134	1.7224	1.7417	0.0000	-1.6135	.0268		
2592	.0819	28.9669	2.8333	20.1693	1.7608	1.7806	0.0000	-1.7808	.0143		
2593	.0352	0.0000	.9857	22.2000	0.0000	0.0000	0.0000	.0138	.0079		

NASA LANGLEY											
TEST 995			RUN 152								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2576	.0441	.3367	.1274	.0736	.3367	.1032	.0736	.3367	.1197	.0736	1.0000
2577	.0280	.3425	.1289	.0749	.3425	.1033	.0749	.3425	.1210	.0749	1.0000
2578	.0776	1.0503	-1.4649	-.3594	1.0480	.2831	-.1697	1.0504	-1.5769	-.3705	1.0000
2579	-1.8086	.8358	-1.4971	-.4162	.8891	.1767	-.2250	.8329	-1.6024	-.4266	1.0000
2580	.1078	1.0672	-1.5013	-.3723	1.0639	.2024	-.1785	1.0673	-1.5776	-.3793	1.0000
2581	2.0255	1.2963	-1.4805	-.3196	1.2349	.2415	-.1235	1.2978	-1.5374	-.3243	1.0000
2582	3.9691	1.5188	-1.4290	-.2597	1.3917	.2719	-.0656	1.5149	-1.5038	-.2664	1.0000
2583	5.9518	1.6521	-1.3266	-.2016	1.4794	.3135	-.0137	1.6640	-1.4569	-.2145	1.0000
2584	7.9945	1.8587	-1.2872	-.1505	1.6236	.3696	.0402	1.8711	-1.3931	-.1606	1.0000
2585	10.0584	2.0806	-1.2235	-.0821	1.7823	.4394	.1106	2.0932	-1.3132	-.0902	1.0000
2586	12.1620	2.3336	-1.1741	-.0144	1.9634	.5235	.1838	2.3385	-1.2166	-.0170	1.0000
2587	14.2720	2.4727	-1.0303	.0619	2.0546	.5928	.2532	2.4934	-1.1323	.0524	1.0000
2588	16.2656	2.7477	-.9543	.1408	2.2565	.7867	.3386	2.7551	-1.0020	.1378	1.0000
2589	18.2817	2.9184	-.8057	.2155	2.3742	.8176	.4113	2.9325	-.8725	.2104	1.0000
2590	20.2815	3.0967	-.6545	.2856	2.4934	.9527	.4820	3.1104	-.7169	.2812	1.0000
2591	21.9161	3.2049	-.5833	.3480	2.5621	1.0677	.5423	3.2264	-.5836	.3415	1.0000
2592	.0819	1.0918	-1.5457	-.3805	1.0892	.2008	-.1819	1.0918	-1.5792	-.3827	1.0000
2593	.0352	.3491	.1074	.0695	.3491	.0858	.0695	.3491	.0996	.0695	1.0000

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST 995				RUN 153							
POINT	MACH	Q N/(MM)	ALPHA DEG	BETA DEG	P,INF N/(MM)	CNF	CAF	CPM	CRM,8	CYM,8	CSF
2596	.166	1942	.01	-.00	100491	.2369	.1168	-.3070	-.0020	.0009	.0027
2597	.165	1925	-1.87	-.00	100501	.0841	.1392	-.3560	-.0019	.0002	-.0001
2598	.167	1952	.02	-.00	100484	.2392	.1174	-.3054	-.0017	.0002	-.0010
2599	.168	1982	1.92	-.00	100484	.3770	.0979	-.2459	-.0002	.0006	-.0004
2600	.166	1942	3.89	.00	100508	.5313	.0671	-.1839	-.0018	-.0003	-.0034
2601	.169	2018	5.89	-.00	100475	.6510	.0392	-.1067	-.0007	.0006	-.0021
2602	.169	2011	7.92	-.00	100498	.7782	.0062	-.0301	-.0011	.0007	.0007
2603	.168	1985	9.99	-.00	100495	.9276	-.0270	.0451	-.0015	.0000	.0021
2604	.168	1982	12.08	-.00	100498	1.0661	-.0640	.1252	-.0016	-.0002	.0013
2605	.166	1949	14.19	-.00	100494	1.2081	-.1028	.2072	-.0006	-.0004	.0059
2606	.169	2001	16.18	-.00	100512	1.2921	-.1302	.2788	-.0004	-.0007	.0036
2607	.168	1995	18.21	-.00	100491	1.4515	-.1522	.3537	-.0006	-.0005	-.0008
2608	.167	1962	20.19	-.00	100491	1.6141	-.1510	.4339	-.0000	-.0006	-.0003
2609	.168	1975	21.82	.00	100505	1.6744	-.1448	.4972	-.0008	-.0010	-.0109
2610	.169	1998	.00	-.00	100468	.2344	.1252	-.3027	-.0015	.0002	-.0012

TEST 995										RUN 153	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	TNETA,T DEG	CT	CMU,M	CMU,J	CD,N	CD,C		
2596	.0074	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0212	.0070		
2597	-1.8659	0.0000	.9790	22.2000	0.0000	0.0000	0.0000	.0205	.0077		
2598	.0238	0.0000	.9784	22.2000	0.0000	0.0000	0.0000	.0208	.0078		
2599	1.9201	0.0000	.9782	22.2000	0.0000	0.0000	0.0000	.0206	.0067		
2600	3.8867	0.0000	.9793	22.2000	0.0000	0.0000	0.0000	.0199	.0067		
2601	5.8928	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0193	.0066		
2602	7.9227	0.0000	.9794	22.2000	0.0000	0.0000	0.0000	.0190	.0065		
2603	9.9858	0.0000	.9798	22.2000	0.0000	0.0000	0.0000	.0188	.0066		
2604	12.0795	0.0000	.9787	22.2000	0.0000	0.0000	0.0000	.0197	.0067		
2605	14.1870	0.0000	.9804	22.2000	0.0000	0.0000	0.0000	.0183	.0070		
2606	16.1756	0.0000	.9798	22.2000	0.0000	0.0000	0.0000	.0182	.0070		
2607	18.2119	0.0000	.9791	22.2000	0.0000	0.0000	0.0000	.0187	.0074		
2608	20.1921	0.0000	.9780	22.2000	0.0000	0.0000	0.0000	.0197	.0074		
2609	21.8157	0.0000	.9774	22.2000	0.0000	0.0000	0.0000	.0199	.0073		
2610	.0351	0.0000	.9800	22.2000	0.0000	0.0000	0.0000	.0188	.0070		

TEST 995										RUN 153	
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2596	.0074	.2368	.1161	-.3070	.2368	.0070	-.3070	.2368	.1090	-.3070	1.0000
2597	-1.8659	.0886	.1364	-.3560	.0886	.1082	-.3560	.0886	.1287	-.3560	1.0000
2598	.0238	.2392	.1175	-.3054	.2392	.0898	-.3054	.2392	.1105	-.3054	1.0000
2599	1.9201	.3736	.1105	-.2459	.3736	.0832	-.2459	.3736	.1038	-.2459	1.0000
2600	3.8867	.5255	.1030	-.1839	.5255	.0763	-.1839	.5255	.0962	-.1839	1.0000
2601	5.8928	.6435	.1058	-.1067	.6435	.0799	-.1067	.6435	.0992	-.1067	1.0000
2602	7.9227	.7699	.1134	-.0301	.7699	.0800	-.0301	.7699	.1069	-.0301	1.0000
2603	9.9858	.9182	.1343	.0451	.9182	.1009	.0451	.9182	.1277	.0451	1.0000
2604	12.0795	1.0559	.1605	.1252	1.0559	.1341	.1252	1.0559	.1537	.1252	1.0000
2605	14.1870	1.1965	.1964	.2072	1.1965	.1711	.2072	1.1965	.1894	.2072	1.0000
2606	16.1756	1.2773	.2349	.2788	1.2773	.2097	.2788	1.2773	.2279	.2788	1.0000
2607	18.2119	1.4264	.3091	.3537	1.4264	.2831	.3537	1.4264	.3017	.3537	1.0000
2608	20.1921	1.5671	.4154	.4339	1.5671	.3884	.4339	1.5671	.4001	.4339	1.0000
2609	21.8157	1.6083	.4878	.4972	1.6083	.4605	.4972	1.6083	.4885	.4972	1.0000
2610	.0351	.2343	.1253	-.3027	.2343	.0996	-.3027	.2343	.1183	-.3027	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2611	.167	1958	.01	-.00	100481	.2334	.1272	-.3070	-.0010	.0004	-.0014
2612	.167	1952	.00	-.00	100474	.2392	.1284	-.3047	-.0015	.0004	-.0011
2613	.166	1949	.03	-.00	100457	.9782	-1.5325	-.7771	.0007	.0016	.0000
2614	.165	1925	-1.84	-.00	100467	.8173	-1.5358	-.8317	.0013	.0017	.0066
2615	.165	1912	.06	-.00	100480	.9974	-1.5708	-.7872	.0008	.0015	.0095
2616	.168	1975	1.99	-.00	100410	1.1295	-1.5522	-.7286	.0012	.0012	.0098
2617	.166	1939	3.95	-.00	100443	1.3151	-1.6172	-.6659	.0017	.0008	.0122
2618	.166	1929	5.93	-.00	100450	1.4750	-1.6584	-.6881	.0021	.0011	.0089
2619	.166	1939	7.97	-.00	100440	1.6392	-1.6889	-.5244	.0013	.0005	.0116
2620	.166	1939	10.03	-.00	100437	1.7738	-1.7272	-.4432	.0008	.0003	.0133
2621	.165	1919	12.14	-.00	100457	1.9205	-1.7875	-.3690	-.0010	-.0007	.0153
2622	.165	1906	14.23	-.00	100467	2.0783	-1.8415	-.2908	.0022	-.0006	.0147
2623	.166	1942	16.22	-.00	100426	2.2180	-1.8485	-.2031	.0009	-.0012	.0161
2624	.165	1916	18.23	-.00	100450	2.3359	-1.8655	-.1267	.0031	-.0017	.0110
2625	.165	1925	20.23	-.00	100440	2.4731	-1.8469	-.0628	.0013	-.0012	.0096
2626	.146	1935	21.85	-.00	100426	2.5495	-1.8269	.0012	.0041	.0001	.0037
2627	.165	1925	.05	-.00	100450	1.0023	-1.5953	-.7973	.0012	.0014	.0092
2628	.166	1945	-.00	-.00	100437	.2420	.1005	-.3114	-.0017	.0001	-.0011

TEST 995			7 X 10 HIGH SPEED TUNNEL						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2611	.0093	0.0000	.9801	22.2000	0.0000	0.0000	0.0000	.0190	.0071
2612	.0029	0.0000	.9799	22.2000	0.0000	0.0000	0.0000	.0193	.0072
2613	.0304	28.9769	2.8284	20.2068	1.7416	1.7611	0.0000	-1.7572	.0104
2614	-1.8409	28.9947	2.8266	20.2199	1.7622	1.7820	0.0000	-1.7758	.0107
2615	.0609	29.0466	2.8330	20.1716	1.7785	1.7985	0.0000	-1.7955	.0104
2616	1.9916	29.0899	2.8381	20.1333	1.7288	1.7482	0.0000	-1.7410	.0107
2617	3.9499	29.1173	2.8424	20.1004	1.7647	1.7846	0.0000	-1.7752	.0113
2618	5.9283	29.0926	2.8445	20.0847	1.7729	1.7928	0.0000	-1.7812	.0120
2619	7.9714	29.2052	2.8484	20.0551	1.7724	1.7923	0.0000	-1.7680	.0127
2620	10.0276	29.2264	2.8526	20.0231	1.7741	1.7941	0.0000	-1.7619	.0134
2621	12.1394	29.2665	2.8585	19.9787	1.7965	1.8167	0.0000	-1.7732	.0142
2622	14.2295	29.2772	2.8561	19.9970	1.8100	1.8303	0.0000	-1.7682	.0155
2623	16.2180	29.3048	2.8626	19.9478	1.7886	1.8086	0.0000	-1.7242	.0165
2624	18.2317	29.3203	2.8649	19.9387	1.8857	1.8260	0.0000	-1.7315	.0191
2625	20.2314	29.3336	2.8634	19.9419	1.7972	1.8174	0.0000	-1.7002	.0214
2626	21.8455	29.3155	2.8611	19.9592	1.7869	1.8069	0.0000	-1.6718	.0237
2627	.0471	29.3417	2.8591	19.9739	1.7978	1.8180	0.0000	-1.8081	.0102
2628	-.0040	0.0000	.9786	22.2000	0.0000	0.0000	0.0000	.0206	.0071

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2611	.0093	.2334	.1273	-.3070	.2334	.1011	-.3070	.2334	.1201	-.3070	1.0000
2612	.0029	.2392	.1284	-.3047	.2392	.1019	-.3047	.2392	.1212	-.3047	1.0000
2613	.0304	.9791	-1.5320	-.7771	.9781	.1992	-.5886	.9791	-1.5808	-.7814	1.0000
2614	-1.8409	.7676	-1.5612	-.8317	.8242	.1894	-.6329	.7670	-1.5897	-.8337	1.0000
2615	.0609	.9991	-1.5698	-.7872	.9972	.1983	-.5866	.9991	-1.5817	-.7874	1.0000
2616	1.9916	1.1827	-1.5120	-.7206	1.1226	.2051	-.5256	1.1845	-1.5739	-.7264	1.0000
2617	3.9499	1.4234	-1.5228	-.6659	1.3018	.2264	-.4668	1.4244	-1.5494	-.6676	1.0000
2618	5.9283	1.6384	-1.4971	-.6801	1.4553	.2543	-.4801	1.6391	-1.5162	-.6809	1.0000
2619	7.9714	1.8575	-1.4452	-.5244	1.6118	.2973	-.3244	1.8586	-1.4655	-.5252	1.0000
2620	10.0276	2.0475	-1.3920	-.4432	1.7386	.3417	-.2430	2.0485	-1.4111	-.4439	1.0000
2621	12.1394	2.2534	-1.3437	-.3698	1.8756	.3985	-.1663	2.2499	-1.3417	-.3671	1.0000
2622	14.2295	2.4672	-1.2741	-.2908	2.0223	.4649	-.0866	2.4598	-1.2685	-.2874	1.0000
2623	16.2180	2.6461	-1.1554	-.2831	2.1487	.5378	-.0022	2.6459	-1.1714	-.2830	1.0000
2624	18.2317	2.8022	-1.0410	-.1267	2.2373	.6549	.0770	2.7942	-1.0357	-.1238	1.0000
2625	20.2314	2.9592	-.8777	-.0628	2.3377	.7872	.1399	2.9533	-.8830	-.0689	1.0000
2626	21.8455	3.0463	-.7478	.0012	2.3814	.8878	.2028	3.0437	-.7644	.0019	1.0000
2627	.0471	1.0036	-1.5945	-.7973	1.0821	.1931	-.5944	1.0036	-1.5869	-.7953	1.0000
2628	-.0040	.2420	-.1005	-.3114	.2420	.0728	-.3114	.2420	.0933	-.3114	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	RUN 156								
			ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2645	.165	1922	.01	-.00	100606	.3021	.0995	-.1329	-.0004	.0007	-.0017
2646	.166	1929	-1.07	.00	100592	.2300	.1151	-.1558	-.0011	.0001	-.0071
2647	.166	1942	.04	.00	100572	.3887	.1039	-.1328	-.0005	.0004	-.0110
2648	.166	1929	1.95	-.00	100585	.5358	.0810	-.1110	-.0009	.0005	-.0014
2649	.166	1932	3.91	-.00	100582	.6807	.0737	-.0799	-.0006	.0007	-.0035
2650	.166	1942	5.90	-.00	100579	.8183	.0546	-.0397	-.0011	.0006	-.0041
2651	.166	1935	7.93	-.00	100589	.9445	.0313	-.0013	.0000	.0003	-.0036
2652	.166	1935	9.99	.00	100592	1.0586	.0037	.0442	-.0010	-.0001	-.0073
2653	.166	1932	12.09	-.00	100602	1.1506	-.0267	.0932	-.0022	-.0005	.0006
2654	.166	1949	14.17	-.00	100586	1.2661	-.0592	.1473	-.0025	.0002	-.0017
2655	.166	1939	16.17	.00	100599	1.3710	-.0857	.2060	-.0021	-.0011	-.0029
2656	.165	1912	18.18	-.00	100629	1.4701	-.0903	.2588	-.0019	-.0006	-.0048
2657	.167	1959	20.17	.00	100582	1.5690	-.0729	.3043	-.0020	-.0000	-.0097
2658	.165	1925	21.80	.00	100619	1.6714	-.0490	.3292	-.0017	-.0013	-.0160
2659	.166	1932	2	-.00	100606	.3849	.1214	-.1294	.0003	.0003	-.0021

NASA LANGLEY											
TEST 995			RUN 156								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	RUN 156						
					CT	CMU,N	CMU,J	CD,N	CD,C		
2645	.0135	0.0000	.9736	25.0502	0.0000	0.0000	0.0000	.0242	.0081		
2646	-1.0721	0.0000	.9750	25.0474	0.0000	0.0000	0.0000	.0228	.0082		
2647	.9396	0.0000	.9739	25.0496	0.0000	0.0000	0.0000	.0237	.0082		
2648	1.9533	0.0000	.9749	25.0476	0.0000	0.0000	0.0000	.0229	.0080		
2649	3.9100	0.0000	.9745	25.0485	0.0000	0.0000	0.0000	.0232	.0079		
2650	5.9037	0.0000	.9742	25.0489	0.0000	0.0000	0.0000	.0232	.0079		
2651	7.9277	0.0000	.9742	25.0489	0.0000	0.0000	0.0000	.0232	.0079		
2652	9.9939	0.0000	.9743	25.0489	0.0000	0.0000	0.0000	.0231	.0077		
2653	12.0908	0.0000	.9752	25.0472	0.0000	0.0000	0.0000	.0221	.0077		
2654	14.1748	0.0000	.9752	25.0472	0.0000	0.0000	0.0000	.0221	.0076		
2655	16.1687	0.0000	.9754	25.0467	0.0000	0.0000	0.0000	.0217	.0073		
2656	18.1758	0.0000	.9754	25.0467	0.0000	0.0000	0.0000	.0214	.0068		
2657	20.1692	0.0000	.9717	25.0538	0.0000	0.0000	0.0000	.0215	.0062		
2658	21.8047	0.0000	.9694	25.0581	0.0000	0.0000	0.0000	.0239	.0060		
2659	.0231	0.0000	.9753	25.0469	0.0000	0.0000	0.0000	.0260	.0072		

NASA LANGLEY											
TEST 995			RUN 156								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 156					
						CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2645	.0135	.3821	.0996	-.1329	.3821	.0673	-.1329	.3821	.0915	-.1329	1.0000
2646	-1.0721	.2344	.1075	-.1558	.2344	.0765	-.1558	.2344	.0993	-.1558	1.0000
2647	.0396	.3886	.1041	-.1328	.3886	.0723	-.1328	.3886	.0960	-.1328	1.0000
2648	1.9533	.5327	.0992	-.1110	.5327	.0683	-.1110	.5327	.0911	-.1110	1.0000
2649	3.9100	.6741	.1200	-.0799	.6741	.0889	-.0799	.6741	.1121	-.0799	1.0000
2650	5.9037	.8083	.1385	-.0397	.8083	.1074	-.0397	.8083	.1306	-.0397	1.0000
2651	7.9277	.9312	.1613	-.0013	.9312	.1304	-.0013	.9312	.1536	-.0013	1.0000
2652	9.9939	1.0419	.1874	.0442	1.0419	.1566	.0442	1.0419	.1797	.0442	1.0000
2653	12.0908	1.1307	.2149	.0932	1.1307	.1851	.0932	1.1307	.2072	.0932	1.0000
2654	14.1748	1.2421	.2526	.1473	1.2421	.2236	.1473	1.2421	.2453	.1473	1.0000
2655	16.1687	1.3407	.2994	.2060	1.3407	.2712	.2060	1.3407	.2927	.2060	1.0000
2656	18.1758	1.4249	.3728	.2588	1.4249	.3451	.2588	1.4249	.3666	.2588	1.0000
2657	20.1692	1.4979	.4726	.3043	1.4979	.4427	.3043	1.4979	.4666	.3043	1.0000
2658	21.8047	1.5701	.5754	.3292	1.5701	.5422	.3292	1.5701	.5681	.3292	1.0000
2659	.0231	.3849	.1216	-.1294	.3849	.0909	-.1294	.3849	.1134	-.1294	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995	RUN		157						
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2660	.166	1949	.02	-.00	100592	.3837	.1205	-.1325	.0000	.0005	-.0020
2661	.166	1952	.04	-.00	100596	.8950	-.7978	-.3968	-.0002	.0033	-.0109
2662	.166	1942	-1.85	-.00	100609	.7229	-.7848	-.4161	-.0013	.0034	-.0091
2663	.166	1932	.06	-.00	100626	.8939	-.8003	-.3960	-.0004	.0035	-.0109
2664	.165	1929	1.97	.00	100633	1.0600	-.8149	-.3774	-.0018	.0030	-.0140
2665	.166	1932	3.93	-.00	100633	1.2142	-.8301	-.3492	-.0012	.0027	-.0118
2666	.166	1942	5.92	-.00	100619	1.3478	-.8421	-.3101	-.0008	.0028	-.0138
2667	.166	1932	7.94	-.00	100629	1.4809	-.8676	-.2742	-.0007	.0029	-.0106
2668	.165	1929	10.03	-.00	100629	1.6143	-.8957	-.2367	-.0013	.0026	-.0088
2669	.166	1949	12.12	-.00	100606	1.7972	-1.0376	-.2239	-.0011	.0027	-.0075
2670	.166	1935	14.21	.00	100623	1.9430	-1.0834	-.1814	-.0003	.0045	-.0226
2671	.166	1932	16.17	-.00	100623	2.0027	-1.0164	-.1033	-.0023	.0024	-.0054
2672	.165	1929	18.21	-.00	100626	2.1520	-1.0261	-.0684	-.0006	.0037	-.0147
2673	.166	1949	20.18	-.00	100606	2.2296	-.9936	-.0205	-.0029	.0045	-.0210
2674	.166	1939	21.84	-.00	100616	2.3125	-.9742	-.0096	-.0026	.0058	-.0213
2675	.166	1939	.05	.00	100616	.8979	-.8186	-.3993	-.0008	.0034	-.0164

TEST		995	RUN		157				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CO,N	CO,C
2660	.0206	.0719	.9743	25.0489	0.0000	0.0000	0.0000	.0232	.0081
2661	.0444	20.2249	2.0155	23.0706	1.0150	1.0308	0.0000	-.9157	.0119
2662	-1.8482	20.1190	2.0067	23.0872	1.0129	1.0286	0.0000	-.9121	.0119
2663	.0648	20.0604	2.0044	23.0916	1.0152	1.0309	0.0000	-.9154	.0119
2664	1.9747	19.9614	1.9931	23.1131	1.0090	1.0247	0.0000	-.9061	.0117
2665	3.9307	19.8852	1.9880	23.1228	1.0019	1.0175	0.0000	-.8983	.0116
2666	5.9244	19.7446	1.9759	23.1457	.9873	1.0026	0.0000	-.8801	.0117
2667	7.9441	19.6909	1.9695	23.1579	.9883	1.0036	0.0000	-.8751	.0117
2668	10.0300	19.6225	1.9627	23.1708	.9849	1.0002	0.0000	-.8654	.0118
2669	12.1214	21.0947	2.1126	22.8860	1.0973	1.1144	0.0000	-.9828	.0124
2670	14.2072	21.1104	2.1131	22.8850	1.1076	1.1248	0.0000	-.9817	.0125
2671	16.1657	20.0842	2.0174	23.0669	1.0266	1.0425	0.0000	-.8905	.0130
2672	18.2061	20.2103	2.0276	23.0476	1.0388	1.0549	0.0000	-.8911	.0143
2673	20.1840	20.1872	2.0240	23.0544	1.0256	1.0415	0.0000	-.8683	.0171
2674	21.8350	20.1092	2.0212	23.0596	1.0276	1.0435	0.0000	-.8609	.0200
2675	.0466	20.0592	2.0163	23.0691	1.0247	1.0406	0.0000	-.9229	.0120

TEST		995	RUN		157						
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CHU,NOM
2660	.0206	.3837	.1207	-.1325	.3837	.0893	-.1325	.3837	.1126	-.1325	1.0000
2661	.0444	.8956	-.7972	-.3968	.8949	.2059	-.2023	.8958	-.9757	-.4156	1.2000
2662	-1.8482	.6972	-.8077	-.4161	.7298	.1928	-.3018	.6917	-.9883	-.4351	1.2000
2663	.0648	.8948	-.7993	-.3960	.8937	.2040	-.2814	.8950	-.9777	-.4148	1.2000
2664	1.9747	1.0874	-.7779	-.3774	1.0527	.2189	-.2636	1.0934	-.9621	-.3969	1.2000
2665	3.9307	1.2682	-.7449	-.3492	1.1995	.2431	-.2361	1.2805	-.9358	-.3694	1.2000
2666	5.9244	1.4275	-.6985	-.3101	1.3256	.2710	-.1987	1.4476	-.9035	-.3320	1.2000
2667	7.9441	1.5866	-.6546	-.2742	1.4500	.3125	-.1627	1.6134	-.8578	-.2960	1.2000
2668	10.0300	1.7456	-.6009	-.2367	1.5741	.3572	-.1256	1.7799	-.8064	-.2589	1.2000
2669	12.1214	1.9750	-.6371	-.2239	1.7445	.4234	-.1001	1.9927	-.7319	-.2334	1.2000
2670	14.2072	2.1495	-.5734	-.1814	1.8776	.4878	-.0964	2.1676	-.6577	-.1890	1.2000
2671	16.1657	2.2865	-.4186	-.1033	1.9207	.5544	.0125	2.2497	-.5805	-.1208	1.2000
2672	18.2061	2.3648	-.3024	-.0684	2.0403	.6700	.0488	2.4095	-.4525	-.0845	1.2000
2673	20.1840	2.4356	-.1633	-.0205	2.0817	.7822	.0952	2.4894	-.3269	-.0381	1.2000
2674	21.8350	2.5090	-.0442	.0096	2.1268	.8897	.1255	2.5663	-.2072	-.0078	1.2000
2675	.0466	.8985	-.8179	-.3993	.8977	.1948	-.2837	.8987	-.9869	-.4170	1.2000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2676	.166	1949	.05	-.00	100606	1.0126	-1.2457	-.4930	-.0009	.0032	-.0057
2677	.166	1949	-1.84	-.00	100592	.8482	-1.2314	-.5121	-.0004	.0032	-.0066
2678	.166	1952	.08	-.00	100589	1.0237	-1.2459	-.4931	-.0000	.0032	-.0071
2679	.166	1945	1.99	-.00	100592	1.1866	-1.2674	-.4770	-.0009	.0029	-.0068
2680	.166	1932	3.96	-.00	100606	1.3462	-1.2985	-.4522	-.0007	.0027	-.0079
2681	.167	1968	5.95	-.00	100569	1.4813	-1.2984	-.4098	-.0005	.0028	-.0062
2682	.165	1922	7.96	-.00	100616	1.6292	-1.3534	-.3825	-.0001	.0029	-.0089
2683	.167	1962	10.03	-.00	100582	1.7499	-1.3587	-.3378	-.0008	.0024	-.0081
2684	.166	1949	12.13	-.00	100599	1.8928	-1.4002	-.2987	-.0014	.0018	-.0041
2685	.165	1925	14.21	-.00	100623	2.0262	-1.4528	-.2534	.0018	.0025	-.0044
2686	.166	1942	16.20	-.00	100609	2.1364	-1.4567	-.1954	-.0030	.0001	.0004
2687	.166	1939	18.23	-.00	100613	2.2623	-1.4620	-.1518	.0027	.0032	-.0049
2688	.166	1932	20.22	-.00	100619	2.3578	-1.4516	-.1109	-.0006	.0034	-.0125
2689	.165	1922	21.84	-.00	100636	2.4273	-1.4387	-.0804	-.0009	.0046	-.0136
2690	.166	1942	.06	-.00	100623	1.0264	-1.2713	-.5008	.0004	.0031	-.0095

TEST		995		RUN		158			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,Y DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2676	.0452	25.0706	2.5288	22.0952	1.4458	1.4682	0.0000	-1.3812	.0128
2677	-1.8444	25.1580	2.5311	22.0908	1.4510	1.4735	0.0000	-1.3824	.0128
2678	.0784	25.1676	2.5364	22.0809	1.4506	1.4731	0.0000	-1.3854	.0129
2679	1.9880	25.1978	2.5302	22.0926	1.4559	1.4785	0.0000	-1.3838	.0127
2680	3.9554	25.2172	2.5383	22.0772	1.4690	1.4918	0.0000	-1.3983	.0126
2681	5.9483	25.2325	2.5386	22.0767	1.4431	1.4655	0.0000	-1.3681	.0124
2682	7.9624	25.2394	2.5385	22.0768	1.4786	1.5015	0.0000	-1.3956	.0127
2683	10.0323	25.2482	2.5406	22.0729	1.4496	1.4721	0.0000	-1.3610	.0127
2684	12.1281	25.2731	2.5452	22.0641	1.4623	1.4849	0.0000	-1.3647	.0128
2685	14.2125	25.3247	2.5473	22.0601	1.4834	1.5064	0.0000	-1.3716	.0134
2686	16.2015	25.3357	2.5482	22.0584	1.4718	1.4947	0.0000	-1.3478	.0146
2687	18.2289	25.3821	2.5504	22.0542	1.4771	1.5080	0.0000	-1.3373	.0165
2688	20.2162	25.4143	2.5521	22.0509	1.4852	1.5082	0.0000	-1.3273	.0198
2689	21.8438	25.4567	2.5519	22.0514	1.4959	1.5191	0.0000	-1.3196	.0236
2690	.0596	24.9925	2.5554	22.0448	1.4546	1.4772	0.0000	-1.4102	.0128

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2676	.0452	1.0136	-1.2449	-.4930	1.0125	.1882	-.3299	1.0136	-1.2889	-.4966	1.5000
2677	-1.8444	.8081	-1.2580	-.5121	.8548	.1794	-.3484	.8973	-1.2970	-.5150	1.5000
2678	.0784	1.0254	-1.2445	-.4931	1.0235	.1932	-.3295	1.0255	-1.2839	-.4961	1.5000
2679	1.9880	1.2299	-1.2255	-.4770	1.1793	.2188	-.3128	1.2306	-1.2594	-.4794	1.5000
2680	3.9554	1.4325	-1.2025	-.4522	1.3312	.2504	-.2865	1.4331	-1.2232	-.4531	1.5000
2681	5.9483	1.6078	-1.1379	-.4098	1.4583	.2851	-.2470	1.6114	-1.1841	-.4137	1.5000
2682	7.9624	1.8009	-1.1146	-.3825	1.5961	.3370	-.2156	1.8007	-1.1259	-.3823	1.5000
2683	10.0323	1.9598	-1.0331	-.3378	1.7073	.3816	-.1743	1.9646	-1.0729	-.3409	1.5000
2684	12.1281	2.1447	-.9713	-.2987	1.8375	.4455	-.1338	2.1479	-.9986	-.3004	1.5000
2685	14.2125	2.3209	-.9108	-.2534	1.9567	.5138	-.0861	2.3193	-.9181	-.2527	1.5000
2686	16.2015	2.4580	-.8027	-.1954	2.0473	.5960	-.0293	2.4594	-.8224	-.1960	1.5000
2687	18.2289	2.6061	-.6889	-.1518	2.1441	.7056	.0148	2.6061	-.6974	-.1518	1.5000
2688	20.2162	2.7142	-.5474	-.1189	2.2810	.8265	.0566	2.7114	-.5596	-.1100	1.5000
2689	21.8438	2.7883	-.4322	-.0804	2.2317	.9327	.0884	2.7813	-.4384	-.0782	1.5000
2690	.0596	1.0277	-1.2702	-.5008	1.0262	.1716	-.3367	1.0277	-1.3055	-.5033	1.5000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 159								
POINT	MACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P,INF N/(HXH)	CNF	CAF	GPH	CRH,B	CYM,B	CSF
2691	.166	1942	.05	-.00	100636	1.1621	-1.5946	-.6001	-.0010	.0045	-.0117
2692	.166	1939	-1.84	-.00	100640	.9994	-1.5881	-.6228	-.0009	.0048	-.0136
2693	.166	1945	.09	-.00	100640	1.1737	-1.6040	-.6074	-.0008	.0043	-.0118
2694	.167	1960	2.01	-.00	100610	1.3389	-1.6025	-.5853	-.0008	.0041	-.0117
2695	.166	1945	3.95	-.00	100636	1.5879	-1.6466	-.5646	-.0020	.0037	-.0147
2696	.165	1925	5.95	-.00	100653	1.6549	-1.6848	-.5323	-.0004	.0040	-.0137
2697	.165	1912	7.98	-.00	100673	1.7855	-1.7101	-.4952	-.0005	.0040	-.0127
2698	.166	1945	10.03	-.00	100647	1.9062	-1.7100	-.4488	-.0008	.0036	-.0086
2699	.166	1945	12.13	-.00	100647	2.0498	-1.7472	-.4099	-.0019	.0029	-.0101
2700	.166	1945	14.27	-.00	100647	2.1999	-1.7809	-.3606	-.0018	.0038	-.0139
2701	.166	1942	16.21	-.00	100650	2.2962	-1.8041	-.3026	-.0044	.0015	-.0063
2702	.165	1912	18.22	-.00	100677	2.4046	-1.8195	-.2589	-.0025	.0055	-.0189
2703	.165	1919	20.21	-.00	100667	2.5029	-1.8013	-.2112	-.0015	.0046	-.0138
2704	.167	1959	21.82	-.00	100626	2.5579	-1.7416	-.1694	-.0020	.0054	-.0201
2705	.166	1935	.05	-.00	100657	1.1587	-1.5965	-.5991	-.0009	.0042	-.0083
2706	.166	1949	.00	-.00	100650	.3793	.1072	-.1332	.0004	.0009	-.0020

TEST		995		RUN		159			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CO,N	CO,C
2691	.0537	28.6334	2.9302	21.3326	1.7690	1.7964	0.0000	-1.7503	.0126
2692	-1.8425	28.6829	2.9386	21.3167	1.7772	1.8048	0.0000	-1.7600	.0128
2693	.0936	28.7818	2.9431	21.3080	1.7777	1.8053	0.0000	-1.7590	.0126
2694	2.0060	28.7830	2.9466	21.3015	1.7574	1.7847	0.0000	-1.7399	.0125
2695	3.9535	28.8472	2.9494	21.2961	1.7833	1.8110	0.0000	-1.7605	.0123
2696	5.9466	28.8140	2.9410	21.3122	1.7974	1.8253	0.0000	-1.7658	.0123
2697	7.9754	28.7948	2.9417	21.3107	1.8089	1.8370	0.0000	-1.7714	.0124
2698	10.0339	28.7721	2.9378	21.3181	1.7757	1.8033	0.0000	-1.7725	.0125
2699	12.1304	28.7566	2.9421	21.3099	1.7759	1.8034	0.0000	-1.7190	.0126
2700	14.2730	28.8397	2.9442	21.3061	1.7818	1.8095	0.0000	-1.7058	.0132
2701	16.2120	28.7421	2.9383	21.3172	1.7767	1.8043	0.0000	-1.6879	.0142
2702	18.2153	28.7138	2.9335	21.3263	1.8021	1.8301	0.0000	-1.6920	.0166
2703	20.2056	28.6974	2.9306	21.3318	1.7942	1.8220	0.0000	-1.6632	.0198
2704	21.8243	28.6704	2.9281	21.3366	1.7553	1.7825	0.0000	-1.6092	.0238
2705	.0533	28.6376	2.9267	21.3392	1.7746	1.8022	0.0000	-1.7534	.0125
2706	.0042	0.0000	.9604	25.0752	0.0000	0.0000	0.0000	.0350	.0079

NASA LANGLEY											
TEST			RUN 159								
995			RUN 159								
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOH	CD,NOH	CH,NOH	CHU,NOH
2691	.0537	1.1636	-1.5935	-.6001	1.1620	.1629	-.4005	1.1636	-1.6096	-.6005	1.8000
2692	-1.8425	.9478	-1.6194	-.6228	1.0050	.1441	-.4223	.9480	-1.6275	-.6223	1.8000
2693	.0936	1.1763	-1.6029	-.6074	1.1734	.1622	-.4069	1.1763	-1.6103	-.6068	1.8000
2694	2.0060	1.3942	-1.5546	-.5853	1.3327	.1893	-.3870	1.3947	-1.5822	-.5870	1.8000
2695	3.9535	1.6178	-1.5387	-.5646	1.4949	.2281	-.3634	1.6171	-1.5402	-.5633	1.8000
2696	5.9466	1.8205	-1.5043	-.5323	1.6343	.2712	-.3295	1.8179	-1.4918	-.5295	1.8000
2697	7.9754	2.0066	-1.4538	-.4952	1.7556	.3252	-.2911	2.0015	-1.4301	-.4911	1.8000
2698	10.0339	2.1764	-1.3596	-.4488	1.8670	.3765	-.2485	2.1759	-1.3689	-.4485	1.8000
2699	12.1304	2.3712	-1.2775	-.4099	1.9980	.4461	-.2096	2.3705	-1.2860	-.4096	1.8000
2700	14.2730	2.5711	-1.1831	-.3606	2.1318	.5301	-.1596	2.5688	-1.1877	-.3596	1.8000
2701	16.2120	2.7886	-1.0912	-.3026	2.2125	.6006	-.1022	2.7874	-1.1014	-.3022	1.8000
2702	18.2153	2.8529	-.9766	-.2589	2.2895	.7186	-.0556	2.8436	-.9651	-.2556	1.8000
2703	20.2056	2.9711	-.8260	-.2112	2.3514	.8360	-.0088	2.9636	-.8254	-.2087	1.8000
2704	21.8243	3.0220	-.6658	-.1694	2.3695	.9399	-.0287	3.0284	-.7056	-.1713	1.8000
2705	.0533	1.1602	-1.5955	-.5991	1.1585	.1667	-.3989	1.1602	-1.6058	-.5989	1.8000
2706	.0042	.3793	.1072	-.1332	.3793	.0636	-.1332	.3793	.0994	-.1332	1.8000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 160								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2709	.166	1942	.04	-.00	100609	.4752	.0723	-.1356	-.0010	.0006	-.0014
2710	.166	1932	-1.84	-.00	100619	.3723	.0761	-.1636	-.0017	.0004	-.0010
2711	.166	1952	.05	-.00	100603	.4774	.0726	-.1358	-.0014	.0005	-.0025
2712	.166	1942	1.94	.00	100613	.6042	.0676	-.0989	-.0022	.0001	-.0066
2713	.167	1955	3.93	-.00	100609	.7321	.0558	-.0622	-.0007	-.0001	-.0022
2714	.167	1959	5.93	-.00	100603	.8810	.0447	-.0229	-.0016	-.0002	-.0026
2715	.166	1952	7.96	-.00	100616	.9813	.0334	.0211	-.0004	.0000	-.0031
2716	.166	1932	10.03	-.00	100640	1.0713	.0281	.0736	-.0016	-.0003	-.0009
2717	.166	1935	12.12	-.00	100640	1.1689	.0281	.1216	-.0003	.0002	.0016
2718	.166	1945	14.18	-.00	100630	1.2763	.0300	.1697	-.0002	.0001	.0020
2719	.166	1939	16.19	-.00	100640	1.3663	.0320	.2199	-.0024	.0005	.0043
2720	.166	1935	18.19	-.00	100643	1.4907	.0570	.2225	-.0013	.0005	.0011
2721	.165	1922	20.18	-.00	100656	1.6497	.0561	.2606	-.0013	.0009	-.0066
2722	.165	1919	21.72	-.00	100660	1.7491	.0530	.2985	-.0005	.0021	-.0043
2723	.166	1945	.05	-.00	100636	.4885	.0747	-.1352	-.0010	.0005	-.0049

TEST 995										RUN 160	
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	YHETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2709	.0363	0.0000	.9779	25.0419	0.0000	0.0000	0.0000	.0200	.0082		
2710	-1.8386	0.0000	.9794	25.0390	0.0000	0.0000	0.0000	.0187	.0083		
2711	.0528	0.0000	.9806	25.0369	0.0000	0.0000	0.0000	.0175	.0082		
2712	1.9425	0.0000	.9812	25.0357	0.0000	0.0000	0.0000	.0170	.0082		
2713	3.9269	0.0000	.9804	25.0373	0.0000	0.0000	0.0000	.0176	.0080		
2714	5.9269	0.0000	.9808	25.0364	0.0000	0.0000	0.0000	.0171	.0079		
2715	7.9625	0.0000	.9828	25.0327	0.0000	0.0000	0.0000	.0154	.0079		
2716	10.0260	0.0000	.9831	25.0320	0.0000	0.0000	0.0000	.0151	.0079		
2717	12.1188	0.0000	.9820	25.0342	0.0000	0.0000	0.0000	.0160	.0080		
2718	14.1839	0.0000	.9802	25.0377	0.0000	0.0000	0.0000	.0174	.0084		
2719	16.1888	0.0000	.9791	25.0397	0.0000	0.0000	0.0000	.0182	.0084		
2720	18.1857	0.0000	.9735	25.0504	0.0000	0.0000	0.0000	.0229	.0097		
2721	20.1800	0.0000	.9731	25.0511	0.0000	0.0000	0.0000	.0231	.0101		
2722	21.7206	0.0000	.9723	25.0526	0.0000	0.0000	0.0000	.0236	.0103		
2723	.0535	0.0000	.9865	25.0257	0.0000	0.0000	0.0000	.0122	.0083		

TEST 995											
RUN 160											
POINT	ALPHA DEG	CL	CD	CH	CL,EQ	CD,EQ	CH,EQ	CL,NOM	CD,NOM	CH,NOM	CMU,NOM
2709	.0363	.4752	.0726	-.1356	.4752	.0444	-.1356	.4752	.0644	-.1356	1.0000
2710	-1.8386	.3746	.0641	-.1636	.3746	.0371	-.1636	.3746	.0558	-.1636	1.0000
2711	.0528	.4773	.0731	-.1358	.4773	.0474	-.1358	.4773	.0649	-.1358	1.0000
2712	1.9425	.6016	.0880	-.0989	.6016	.0628	-.0989	.6016	.0799	-.0989	1.0000
2713	3.9269	.7266	.1058	-.0622	.7266	.0801	-.0622	.7266	.0977	-.0622	1.0000
2714	5.9269	.8717	.1354	-.0229	.8717	.1104	-.0229	.8717	.1275	-.0229	1.0000
2715	7.9625	.9672	.1690	.0211	.9672	.1458	.0211	.9672	.1612	.0211	1.0000
2716	10.0260	1.0501	.2142	.0736	1.0501	.1911	.0736	1.0501	.2062	.0736	1.0000
2717	12.1188	1.1370	.2728	.1216	1.1370	.2488	.1216	1.1370	.2648	.1216	1.0000
2718	14.1839	1.2300	.3418	.1697	1.2300	.3160	.1697	1.2300	.3334	.1697	1.0000
2719	16.1888	1.3032	.4117	.2199	1.3032	.3851	.2199	1.3032	.4033	.2199	1.0000
2720	18.1857	1.3985	.5194	.2225	1.3985	.4867	.2225	1.3985	.5097	.2225	1.0000
2721	20.1800	1.5290	.6218	.2606	1.5290	.5885	.2606	1.5290	.6116	.2606	1.0000
2722	21.7206	1.6053	.6966	.2985	1.6053	.6626	.2985	1.6053	.6862	.2985	1.0000
2723	.0535	.4884	.0752	-.1352	.4884	.0547	-.1352	.4884	.0669	-.1352	1.0000

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NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 161								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2724	.166	1949	.04	-.00	100643	.4750	.0707	-.1312	-.0011	.0005	.0009
2725	.167	1965	.07	-.00	100640	1.2480	-1.6093	-.5931	-.0021	.0041	-.0067
2726	.165	1925	-1.79	-.00	100677	1.1200	-1.6385	-.6313	-.0025	.0042	-.0065
2727	.167	1955	.10	-.00	100643	1.2522	-1.6146	-.5916	-.0025	.0044	-.0076
2728	.166	1939	2.02	-.00	100660	1.3936	-1.6387	-.5595	-.0021	.0041	-.0087
2729	.167	1955	3.99	-.00	100643	1.5199	-1.6379	-.5214	-.0016	.0035	-.0075
2730	.166	1942	5.97	-.00	100657	1.6741	-1.6603	-.4873	-.0003	.0031	-.0090
2731	.165	1929	8.01	-.00	100670	1.8189	-1.6760	-.4504	-.0023	.0033	-.0071
2732	.165	1925	10.06	-.00	100673	1.9094	-1.6764	-.4085	-.0028	.0039	-.0051
2733	.167	1962	12.16	-.00	100637	1.9973	-1.6461	-.3548	-.0034	.0038	-.0042
2734	.166	1945	14.24	-.00	100653	2.1076	-1.6593	-.3002	-.0025	.0042	-.0062
2735	.166	1945	16.22	-.00	100650	2.2255	-1.6569	-.2605	-.0018	.0045	-.0085
2736	.165	1925	18.23	-.00	100670	2.4601	-1.6571	-.2926	-.0038	.0047	-.0112
2737	.167	1959	20.24	-.00	100640	2.5851	-1.6331	-.2284	-.0022	.0052	-.0130
2738	.166	1952	21.70	-.00	100647	2.6918	-1.6416	-.1907	-.0028	.0059	-.0159
2739	.167	1968	.08	-.00	100620	1.2350	-1.5957	-.5817	-.0033	.0044	-.0084
2740	.166	1932	.04	-.00	100650	.4834	.0493	-.1397	-.0016	.0005	-.0013

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 161								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CO,N	CO,C		
2724	.0367	0.0000	.9871	25.0245	0.0000	0.0000	0.0000	.0117	.0081		
2725	.0724	28.7577	2.9381	21.3177	1.7403	1.7673	0.0000	-1.7368	.0126		
2726	-1.7913	28.7076	2.9362	21.3212	1.7724	1.7999	0.0000	-1.7706	.0129		
2727	.1050	28.6495	2.9298	21.3334	1.7401	1.7671	0.0000	-1.7382	.0127		
2728	2.0186	28.6195	2.9332	21.3269	1.7539	1.7811	0.0000	-1.7553	.0126		
2729	3.9891	28.5809	2.9254	21.3417	1.7358	1.7627	0.0000	-1.7300	.0125		
2730	5.9747	28.6236	2.9206	21.3509	1.7494	1.7765	0.0000	-1.7324	.0125		
2731	8.0061	29.1166	2.9220	21.3482	1.7928	1.8206	0.0000	-1.7382	.0130		
2732	10.0598	29.0286	2.9202	21.3516	1.7920	1.8198	0.0000	-1.7298	.0140		
2733	12.1611	28.9913	2.9191	21.3538	1.7568	1.7841	0.0000	-1.6839	.0155		
2734	14.2444	28.9554	2.9204	21.3512	1.7714	1.7988	0.0000	-1.6853	.0174		
2735	16.2201	28.9440	2.9206	21.3508	1.7725	1.8000	0.0000	-1.6696	.0190		
2736	18.2328	28.9146	2.9123	21.3667	1.7871	1.8148	0.0000	-1.6616	.0203		
2737	20.2396	28.9040	2.9128	21.3657	1.7585	1.7858	0.0000	-1.6137	.0226		
2738	21.6962	28.8425	2.9091	21.3727	1.7606	1.7879	0.0000	-1.6005	.0242		
2739	.0838	28.7021	2.8996	21.3987	1.7373	1.7642	0.0000	-1.6991	.0125		
2740	.0390	0.0000	.9844	25.0296	0.0000	0.0000	0.0000	.0142	.0076		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 161								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
2724	.0367	.4750	.0710	-.1312	.4750	.0513	-.1312	.4750	.0629	-.1312	1.0000
2725	.0724	1.2500	-1.6077	-.5931	1.2478	.1199	-.3968	1.2500	-1.6526	-.5968	1.0000
2726	-1.7913	1.0763	-1.6736	-.6313	1.1317	.0857	-.4313	1.0763	-1.6859	-.6313	1.0000
2727	.1050	1.2552	-1.6123	-.5916	1.2520	.1151	-.3953	1.2553	-1.6574	-.5953	1.0000
2728	2.0186	1.4504	-1.5886	-.5595	1.3887	.1516	-.3616	1.4511	-1.6198	-.5616	1.0000
2729	3.9891	1.6301	-1.5282	-.5214	1.5094	.1909	-.3255	1.6327	-1.5773	-.5255	1.0000
2730	5.9747	1.8379	-1.4770	-.4873	1.6558	.2504	-.2899	1.8403	-1.5125	-.4899	1.0000
2731	8.0061	2.0347	-1.4063	-.4504	1.7850	.3560	-.2481	2.0318	-1.3992	-.4481	1.0000
2732	10.0598	2.1729	-1.3171	-.4085	1.8599	.4334	-.2063	2.1695	-1.3119	-.4063	1.0000
2733	12.1611	2.2992	-1.1884	-.3548	1.9291	.5135	-.1566	2.3025	-1.2192	-.3565	1.0000
2734	14.2444	2.4511	-1.0897	-.3082	2.0152	.6098	-.1084	2.4513	-1.1082	-.3084	1.0000
2735	16.2201	2.5998	-.9693	-.2605	2.1046	.7136	-.0605	2.5997	-.9883	-.2604	1.0000
2736	18.2328	2.8551	-.8042	-.2266	2.2960	.8728	-.0910	2.8505	-.8107	-.2209	1.0000
2737	20.2396	2.9904	-.6380	-.2284	2.3821	.9893	-.4300	2.9953	-.6738	-.2299	1.0000
2738	21.6962	3.1080	-.5301	-.1907	2.4571	1.0816	.0079	3.1123	-.5654	-.1920	1.0000
2739	.0838	1.2374	-1.5939	-.5817	1.2348	.1309	-.3858	1.2374	-1.6416	-.5857	1.0000
2740	.0390	.4834	.0497	-.1397	.4834	.0279	-.1397	.4834	.0421	-.1397	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
			RUN 162								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2743	.165	1929	.02	-.00	100667	.3432	.0611	-.0840	-.0018	.0002	.0008
2744	.166	1949	-1.84	.00	100640	.2162	.0640	-.1164	-.0022	-.0003	-.0025
2745	.167	1959	.02	-.00	100637	.3449	.0626	-.0828	-.0018	.0002	-.0004
2746	.166	1952	1.96	-.00	100643	.4755	.0562	-.0495	-.0018	.0003	-.0000
2747	.165	1929	3.92	-.00	100670	.6083	.0468	-.0136	-.0019	.0000	.0014
2748	.166	1939	5.91	-.00	100660	.7447	.0332	.0267	-.0007	.0002	.0141
2749	.166	1952	7.92	-.00	100650	.8544	.0222	.0703	-.0013	-.0002	-.0008
2750	.166	1932	9.98	-.00	100670	.9709	.0148	.1111	-.0021	-.0002	.0011
2751	.166	1932	12.11	.00	100674	1.0769	.0182	.1521	-.0013	-.0009	-.0002
2752	.166	1935	14.18	-.00	100670	1.1853	.0139	.2025	-.0015	.0000	.0043
2753	.166	1935	16.18	-.00	100674	1.2967	.0168	.2464	-.0023	.0002	.0012
2754	.165	1925	18.19	-.00	100684	1.4441	.0422	.2378	-.0024	.0003	.0018
2755	.166	1935	20.19	-.00	100670	1.5946	.0392	.2762	-.0014	.0010	-.0016
2756	.165	1916	21.67	-.00	100687	1.7804	.0355	.3092	.0000	.0018	-.0042
2757	.166	1952	.04	-.00	100647	.3495	.0648	-.0836	-.0014	.0007	.0054

TEST 995			RUN 162						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2743	.0163	0.0000	.9760	25.0456	0.0000	0.0000	0.0000	.0219	.0092
2744	-1.8391	0.0000	.9775	25.0428	0.0000	0.0000	0.0000	.0203	.0082
2745	.0167	0.0000	.9790	25.0399	0.0000	0.0000	0.0000	.0189	.0081
2746	1.9584	0.0000	.9777	25.0423	0.0000	0.0000	0.0000	.0201	.0080
2747	3.9152	0.0000	.9783	25.0412	0.0000	0.0000	0.0000	.0198	.0079
2748	5.9142	0.0000	.9782	25.0415	0.0000	0.0000	0.0000	.0197	.0076
2749	7.9224	0.0000	.9791	25.0396	0.0000	0.0000	0.0000	.0186	.0074
2750	9.9817	0.0000	.9796	25.0387	0.0000	0.0000	0.0000	.0183	.0073
2751	12.1116	0.0000	.9797	25.0386	0.0000	0.0000	0.0000	.0181	.0074
2752	14.1805	0.0000	.9777	25.0423	0.0000	0.0000	0.0000	.0197	.0076
2753	16.1848	0.0000	.9759	25.0458	0.0000	0.0000	0.0000	.0211	.0078
2754	18.1930	0.0000	.9687	25.0594	0.0000	0.0000	0.0000	.0272	.0095
2755	20.1886	0.0000	.9664	25.0638	0.0000	0.0000	0.0000	.0287	.0097
2756	21.6736	0.0000	.9665	25.0636	0.0000	0.0000	0.0000	.0286	.0100
2757	.0355	0.0000	.9808	25.0364	0.0000	0.0000	0.0000	.0173	.0079

TEST 995			RUN 162								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2743	.0163	.3431	.0612	-.0840	.3431	.0311	-.0840	.3431	.0530	-.0840	1.0000
2744	-1.8391	.2181	.0570	-.1164	.2181	.0285	-.1164	.2181	.0488	-.1164	1.0000
2745	.0167	.3449	.0627	-.0828	.3449	.0357	-.0828	.3449	.0546	-.0828	1.0000
2746	1.9584	.4733	.0724	-.0495	.4733	.0443	-.0495	.4733	.0644	-.0495	1.0000
2747	3.9152	.6037	.0882	-.0136	.6037	.0606	-.0136	.6037	.0803	-.0136	1.0000
2748	5.9142	.7373	.1098	.0267	.7373	.0825	.0267	.7373	.1022	.0267	1.0000
2749	7.9224	.8432	.1398	.0703	.8432	.1137	.0703	.8432	.1324	.0703	1.0000
2750	9.9817	.9536	.1829	.1111	.9536	.1573	.1111	.9536	.1756	.1111	1.0000
2751	12.1116	1.0508	.2360	.1521	1.0508	.2104	.1521	1.0508	.2286	.1521	1.0000
2752	14.1805	1.1458	.3038	.2025	1.1458	.2766	.2025	1.1458	.2963	.2025	1.0000
2753	16.1848	1.2406	.3775	.2464	1.2406	.3487	.2464	1.2406	.3698	.2464	1.0000
2754	18.1930	1.3588	.4910	.2370	1.3588	.4544	.2370	1.3588	.4815	.2370	1.0000
2755	20.1886	1.4831	.5871	.2762	1.4831	.5487	.2762	1.4831	.5774	.2762	1.0000
2756	21.6736	1.5671	.6610	.3092	1.5671	.6224	.3092	1.5671	.6510	.3092	1.0000
2757	.0355	.3495	.0650	-.0836	.3495	.0398	-.0836	.3495	.0571	-.0836	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 163									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P, INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2758	.167	1959	.03	-.00	100640	.3391	.0640	-.0825	-.0019	.0002	.0008
2760	.166	1949	.04	-.00	100626	.6531	-.4679	-.2307	-.0024	.0008	-.0029
2761	.166	1939	-1.84	-.00	100636	.4990	-.4280	-.2509	-.0029	.0012	-.0038
2762	.166	1945	.07	-.00	100636	.6392	-.4418	-.2234	-.0021	.0017	-.0040
2763	.165	1922	1.98	-.00	100660	.7918	-.4766	-.1987	-.0027	.0013	-.0047
2764	.166	1952	3.93	-.00	100630	.9341	-.4893	-.1656	-.0054	.0004	-.0036
2765	.165	1922	5.93	-.00	100660	1.0696	-.4812	-.1249	-.0025	.0000	-.0024
2766	.166	1932	7.96	-.00	100650	1.2149	-.4805	-.0881	-.0024	.0006	-.0036
2767	.165	1925	10.02	-.00	100657	1.3407	-.4780	-.0556	-.0024	.0010	-.0032
2768	.166	1935	12.13	-.00	100646	1.4617	-.4731	-.0160	-.0013	.0015	-.0054
2769	.166	1952	14.20	-.00	100637	1.5703	-.4655	.0342	-.0016	.0025	-.0025
2770	.168	1962	16.20	-.00	100606	1.7108	-.5026	.0610	-.0029	.0018	-.0037
2771	.167	1959	18.20	-.00	100633	1.9268	-.5004	.0386	-.0041	.0020	-.0041
2772	.166	1945	20.21	-.00	100650	2.0596	-.5188	.0831	-.0028	.0020	-.0019
2773	.166	1949	21.79	-.00	100647	2.1731	-.5296	.1193	-.0030	.0027	-.0039
2774	.166	1939	.05	-.00	100657	.6471	-.4556	-.2274	-.0022	.0012	.0005

TEST	995	RUN 163									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2758	.0302	0.0000	.9811	25.0359	0.0000	0.0000	0.0000	.0170	.0078		
2760	.0375	15.2611	1.5283	23.9962	.6876	.6171	0.0000	-.4774	.0105		
2761	-1.8405	14.7039	1.4780	24.0917	.5660	.5747	0.0000	-.4340	.0099		
2762	.0714	14.7070	1.4891	24.0788	.5724	.5813	0.0000	-.4427	.0100		
2763	1.9781	15.1481	1.5225	24.0073	.6088	.6182	0.0000	-.4785	.0104		
2764	3.9314	15.2427	1.5303	23.9925	.6070	.6164	0.0000	-.4772	.0104		
2765	5.9328	14.8326	1.4923	24.0647	.5821	.5912	0.0000	-.4487	.0101		
2766	7.9601	14.7898	1.4860	24.0765	.5762	.5852	0.0000	-.4388	.0101		
2767	10.0228	14.7285	1.4794	24.0892	.5718	.5807	0.0000	-.4318	.0105		
2768	12.1272	14.6600	1.4725	24.1022	.5631	.5718	0.0000	-.4204	.0112		
2769	14.2029	14.5868	1.4680	24.1108	.5538	.5623	0.0000	-.4093	.0121		
2770	16.2030	15.2274	1.5304	23.9923	.5982	.6075	0.0000	-.4525	.0142		
2771	18.1991	15.2138	1.5305	23.9921	.6047	.6141	0.0000	-.4531	.0148		
2772	20.2118	15.3394	1.5427	23.9688	.6210	.6306	0.0000	-.4611	.0163		
2773	21.7884	15.4125	1.5506	23.9538	.6261	.6358	0.0000	-.4621	.0175		
2774	.0485	14.9105	1.5040	24.0424	.5888	.5979	0.0000	-.4579	.0102		

TEST	995	RUN 163									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2758	.0302	.3391	.0642	-.0825	.3391	.0394	-.0825	.3391	.0564	-.0825	1.0000
2760	.0375	.6534	-.4675	-.2307	.6530	.1297	-.1621	.6537	-1.0520	-.2955	1.2000
2761	-1.8405	.4850	-.4438	-.2509	.5032	.1119	-.1870	.4652	-1.0691	-.3204	1.2000
2762	.0714	.6397	-.4410	-.2234	.6390	.1214	-.1588	.6405	-1.0603	-.2921	1.2000
2763	1.9781	.8070	-.4491	-.1987	.7860	.1490	-.1300	.8268	-1.0320	-.2633	1.2000
2764	3.9314	.9655	-.4241	-.1656	.9238	.1710	-.0971	1.0049	-1.0078	-.2305	1.2000
2765	5.9328	1.1136	-.3680	-.1249	1.0534	.2809	-.0592	1.1756	-.9744	-.1925	1.2000
2766	7.9601	1.2697	-.3077	-.0881	1.1899	.2529	-.0231	1.3536	-.9174	-.1564	1.2000
2767	10.0228	1.4034	-.2373	-.0556	1.3039	.3153	.0089	1.5096	-.8483	-.1244	1.2000
2768	12.1272	1.5284	-.1554	-.0168	1.4181	.3839	.0475	1.6584	-.7714	-.0858	1.2000
2769	14.2029	1.6365	-.0660	.0342	1.5007	.4587	.0967	1.7906	-.6868	-.0366	1.2000
2770	16.2030	1.7831	-.0852	.0610	1.6161	.5558	.1285	1.9459	-.5797	-.0048	1.2000
2771	18.1991	1.9810	.1245	.0386	1.7921	.6842	.1069	2.1612	-.4384	-.0264	1.2000
2772	20.2118	2.1120	.2247	.0831	1.8974	.7911	.1532	2.3857	-.3178	.0198	1.2000
2773	21.7884	2.2144	.3149	.1193	1.9820	.8787	.1899	2.4206	-.2186	.0566	1.2000
2774	.0485	.6475	-.4550	-.2274	.6470	.1235	-.1610	.6480	-1.0582	-.2943	1.2000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	RUN 164					
						CNF	CAF	GPH	CRM,B	CYM,B	CSF
2775	.166	1952	.06	-.00	100640	.9403	-1.2835	-.4259	-.0024	.0023	.0015
2776	.166	1945	-1.81	-.00	100650	.8314	-1.3635	-.4811	-.0005	.0021	-.0034
2777	.166	1949	.10	-.00	100647	.9778	-1.3655	-.4494	-.0000	.0025	-.0046
2778	.166	1949	2.01	-.00	100647	1.0052	-1.3139	-.3997	-.0025	.0025	-.0048
2779	.166	1952	3.96	-.00	100643	1.2291	-1.3329	-.3701	-.0020	.0022	-.0059
2780	.166	1932	5.96	-.00	100663	1.3901	-1.3643	-.3388	-.0019	.0005	-.0039
2781	.165	1919	7.99	-.00	100677	1.5493	-1.3820	-.3188	-.0008	.0016	-.0041
2782	.166	1945	10.05	-.00	100650	1.6762	-1.3703	-.2786	-.0006	.0019	-.0003
2783	.165	1925	12.15	-.00	100670	1.8189	-1.3888	-.2462	-.0001	.0018	-.0071
2784	.167	1959	14.24	.00	100637	1.9328	-1.3700	-.1983	-.0008	.0015	-.0020
2785	.166	1945	16.23	-.00	100643	2.0608	-1.3818	-.1606	-.0021	.0020	-.0045
2786	.165	1922	18.24	-.00	100667	2.2902	-1.3891	-.1945	-.0014	.0027	-.0079
2787	.166	1932	20.24	-.00	100660	2.4213	-1.3933	-.1414	-.0001	.0030	-.0123
2788	.166	1935	21.80	-.00	100657	2.5342	-1.3977	-.1011	-.0003	.0037	-.0154
2789	.166	1935	.07	-.00	100653	.9399	-1.2956	-.4302	-.0029	.0022	-.0017

TEST		995			RUN		164			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C	
2775	.0607	25.0081	2.5257	22.1012	1.4353	1.4575	0.0000	-1.3765	.0126	
2776	-1.8143	25.9575	2.6214	21.9194	1.5226	1.5462	0.0000	-1.4672	.0126	
2777	.1017	25.9528	2.6175	21.9267	1.5204	1.5440	0.0000	-1.4619	.0127	
2778	2.0068	25.2442	2.5451	22.0644	1.4594	1.4820	0.0000	-1.3956	.0127	
2779	3.9632	25.3619	2.5587	22.0384	1.4674	1.4902	0.0000	-1.4030	.0127	
2780	5.9590	25.4029	2.5603	22.0355	1.4863	1.5093	0.0000	-1.4147	.0128	
2781	7.9895	25.4548	2.5674	22.0219	1.5024	1.5257	0.0000	-1.4250	.0132	
2782	10.0466	25.4903	2.5732	22.0108	1.4848	1.5079	0.0000	-1.4025	.0140	
2783	12.1477	25.5723	2.5804	21.9973	1.5075	1.5389	0.0000	-1.4134	.0157	
2784	14.2357	25.6225	2.5829	21.9925	1.4868	1.5091	0.0000	-1.3795	.0176	
2785	16.2259	25.7211	2.5944	21.9706	1.5051	1.5285	0.0000	-1.3859	.0193	
2786	18.2390	25.7606	2.5998	21.9604	1.5267	1.5504	0.0000	-1.3924	.0208	
2787	20.2422	25.8098	2.6076	21.9455	1.5246	1.5482	0.0000	-1.3750	.0230	
2788	21.7977	25.8423	2.6070	21.9467	1.5238	1.5474	0.0000	-1.3579	.0245	
2789	.0693	25.0280	2.5258	22.1010	1.4546	1.4772	0.0000	-1.3885	.0128	

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	RUN 164					
						CO,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2775	.0607	.9416	-1.2825	-.4259	.9401	.1402	-.2640	.9417	-1.3369	-.4306	1.5000
2776	-1.8143	.7878	-1.3991	-.4811	.8360	.1201	-.3094	.7892	-1.3563	-.4760	1.5000
2777	.1017	.9802	-1.3538	-.4494	.9775	.1439	-.2779	.9801	-1.3331	-.4446	1.5000
2778	2.0068	1.1305	-1.2751	-.3997	1.0794	.1707	-.2350	1.1311	-1.3054	-.4017	1.5000
2779	3.9632	1.3182	-1.2448	-.3701	1.2168	.2064	-.2046	1.3189	-1.2671	-.3712	1.5000
2780	5.9590	1.5243	-1.2126	-.3388	1.3700	.2528	-.1712	1.5233	-1.2163	-.3378	1.5000
2781	7.9895	1.7264	-1.1533	-.3108	1.5176	.3213	-.1413	1.7229	-1.1414	-.3079	1.5000
2782	10.0466	1.8895	-1.0569	-.2786	1.6305	.3912	-.1111	1.8802	-1.0633	-.2777	1.5000
2783	12.1477	2.0704	-.9749	-.2462	1.7532	.4831	-.0761	2.0640	-.9609	-.2427	1.5000
2784	14.2357	2.2103	-.8526	-.1983	1.8449	.5701	-.0306	2.2081	-.8616	-.1973	1.5000
2785	16.2259	2.3648	-.7509	-.1606	1.9442	.6750	.0092	2.3578	-.7433	-.1575	1.5000
2786	18.2390	2.6099	-.6025	-.1945	2.1320	.8267	-.0222	2.5943	-.5762	-.1889	1.5000
2787	20.2422	2.7538	-.4695	-.1414	2.2263	.9388	.0306	2.7374	-.4479	-.1360	1.5000
2788	21.7977	2.8720	-.3567	-.1011	2.3062	1.0336	.0788	2.8547	-.3379	-.0959	1.5000
2789	.0693	.9415	-1.2944	-.4302	.9397	.1474	-.2661	.9415	-1.3297	-.4327	1.5000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995			RUN		165				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2790	.166	1949	.07	-.00	100650	1.0668	-1.6246	-.5219	-.0030	.0038	-.0086
2791	.167	1955	-1.00	-.00	100647	.9241	-1.6152	-.5584	-.0034	.0038	-.0050
2792	.167	1965	.10	-.00	100643	1.0578	-1.6056	-.5163	-.0033	.0041	-.0073
2793	.166	1945	2.02	-.00	100667	1.2045	-1.6269	-.4803	-.0033	.0039	-.0083
2794	.166	1952	3.97	-.00	100660	1.3426	-1.6319	-.4951	-.0034	.0034	-.0092
2795	.165	1929	5.96	.00	100680	1.4996	-1.6623	-.4222	-.0047	.0027	-.0145
2796	.165	1929	7.99	-.00	100680	1.6501	-1.6663	-.3874	-.0030	.0028	-.0083
2797	.166	1952	10.06	-.00	100653	1.7796	-1.6454	-.3518	-.0032	.0034	-.0054
2798	.166	1949	12.15	-.00	100657	1.8946	-1.6464	-.3197	-.0024	.0034	-.0065
2799	.166	1942	14.25	-.00	100660	2.0330	-1.6475	-.2721	-.0036	.0036	-.0089
2800	.166	1932	16.24	-.00	100670	2.1574	-1.6541	-.2281	-.0045	.0042	-.0096
2801	.166	1942	18.24	-.00	100657	2.3710	-1.6297	-.2566	-.0047	.0043	-.0093
2802	.166	1942	20.25	-.00	100653	2.5043	-1.6334	-.2008	-.0037	.0049	-.0100
2803	.166	1945	21.71	-.00	100650	2.6108	-1.6337	-.1622	-.0032	.0052	-.0100
2804	.166	1949	.08	-.00	100640	1.0456	-1.5926	-.5104	-.0039	.0039	-.0073
2805	.166	1945	.03	-.00	100647	.3483	.0501	-.0863	-.0016	.0002	-.0004

TEST		995			RUN		165			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
2790	.0706	28.8996	2.9162	21.3591	1.7768	1.8044	0.0000	-1.7319	.0127	
2791	-1.7950	28.8425	2.9072	21.3784	1.7662	1.7936	0.0000	-1.7170	.0125	
2792	.1008	28.8227	2.9077	21.3753	1.7554	1.7826	0.0000	-1.7096	.0125	
2793	2.0196	28.7941	2.9023	21.3856	1.7699	1.7974	0.0000	-1.7215	.0124	
2794	3.9697	28.7769	2.9000	21.3901	1.7634	1.7907	0.0000	-1.7104	.0124	
2795	5.9576	28.7234	2.8971	21.3954	1.7802	1.8078	0.0000	-1.7234	.0126	
2796	7.9919	28.7135	2.8939	21.4016	1.7707	1.8063	0.0000	-1.7130	.0129	
2797	10.0574	28.6873	2.8917	21.4057	1.7552	1.7825	0.0000	-1.6807	.0138	
2798	12.1497	28.6657	2.8840	21.4204	1.7547	1.7820	0.0000	-1.6648	.0156	
2799	14.2457	28.6052	2.8829	21.4224	1.7567	1.7848	0.0000	-1.6553	.0175	
2800	16.2352	28.6073	2.8846	21.4188	1.7666	1.7940	0.0000	-1.6499	.0192	
2801	18.2410	28.5962	2.8798	21.4284	1.7554	1.7827	0.0000	-1.6192	.0207	
2802	20.2533	28.5805	2.8783	21.4312	1.7532	1.7804	0.0000	-1.5982	.0230	
2803	21.7076	28.5601	2.8770	21.4337	1.7497	1.7769	0.0000	-1.5788	.0245	
2804	.0766	28.5127	2.8726	21.4420	1.7424	1.7694	0.0000	-1.6923	.0123	
2805	.0260	0.0000	.9725	25.0522	0.0000	0.0000	0.0000	.0249	.0000	

TEST		995			RUN		165				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2790	.0706	1.0688	-1.6233	-.5219	1.0666	.1488	-.3214	1.0688	-1.6317	-.5214	1.0000
2791	-1.7950	.8731	-1.6434	-.5504	.9284	.1894	-.3511	.8729	-1.6622	-.5511	1.0000
2792	.1008	1.0607	-1.6037	-.5163	1.0576	.1392	-.3183	1.0607	-1.6333	-.5102	1.0000
2793	2.0196	1.2611	-1.5834	-.4803	1.1987	.1729	-.2886	1.2612	-1.5985	-.4886	1.0000
2794	3.9697	1.4524	-1.5350	-.4551	1.3303	.2117	-.2561	1.4530	-1.5565	-.4561	1.0000
2795	5.9576	1.6640	-1.4976	-.4222	1.4792	.2604	-.2214	1.6632	-1.5026	-.4214	1.0000
2796	7.9919	1.8657	-1.4207	-.3874	1.6184	.3278	-.1867	1.8648	-1.4275	-.3867	1.0000
2797	10.0574	2.0396	-1.3093	-.3518	1.7331	.4851	-.1538	2.0426	-1.3401	-.3538	1.0000
2798	12.1497	2.1987	-1.2107	-.3197	1.8294	.4891	-.1217	2.2025	-1.2437	-.3217	1.0000
2799	14.2457	2.3759	-1.0966	-.2721	1.9436	.5885	-.0739	2.3798	-1.1294	-.2738	1.0000
2800	16.2352	2.5339	-.9850	-.2281	2.0400	.6920	-.0288	2.5355	-1.0098	-.2287	1.0000
2801	18.2410	2.7620	-.8056	-.2566	2.2125	.8409	-.0585	2.7673	-.8426	-.2585	1.0000
2802	20.2533	2.9149	-.6655	-.2008	2.3800	.9564	-.0030	2.9216	-.7065	-.2029	1.0000
2803	21.7076	3.0299	-.5522	-.1622	2.3828	1.0489	.0352	3.0384	-.5979	-.1647	1.0000
2804	.0766	1.0477	-1.5913	-.5104	1.0454	.1388	-.3138	1.0477	-1.6337	-.5138	1.0000
2805	.0260	.3483	.0503	-.0863	.3483	.0174	-.0863	.3483	.0423	-.0863	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYN,B	CSF
2818	.166	1932	.01	-.00	100643	.3011	.0360	-.0705	-.0013	.0003	-.0049
2819	.166	1935	-1.87	-.00	100640	.1631	.0608	-.1064	-.0017	.0001	-.0012
2820	.167	1955	.04	.00	100630	.2930	.0592	-.0682	-.0018	.0004	-.0092
2821	.166	1935	1.94	-.00	100640	.4263	.0550	-.0380	-.0014	.0005	-.0057
2822	.166	1949	3.89	.00	100626	.5592	.0467	-.0007	-.0021	.0000	-.0086
2823	.166	1949	5.90	.00	100626	.6913	.0337	.0372	-.0013	-.0009	-.0054
2824	.165	1925	7.94	-.00	100643	.8102	.0233	.0023	-.0011	-.0004	-.0031
2825	.166	1942	9.99	-.00	100626	.9327	.0168	.1227	-.0018	-.0001	-.0034
2826	.166	1932	12.11	-.00	100633	1.0458	.0146	.1624	-.0015	.0001	-.0004
2827	.166	1942	14.19	.00	100619	1.1493	.0154	.2131	-.0009	-.0001	-.0038
2828	.165	1925	16.18	-.00	100629	1.2661	.0195	.2565	-.0019	.0006	-.0010
2829	.166	1932	18.19	-.00	100623	1.4072	.0464	.2497	-.0021	.0002	-.0039
2830	.165	1925	20.17	-.00	100623	1.5619	.0422	.2872	-.0013	.0009	-.0073
2831	.166	1939	21.70	-.00	100609	1.6761	.0366	.3209	-.0002	.0018	-.0074
2832	.167	1955	.03	-.00	100593	.2963	.0707	-.0707	-.0008	.0003	-.0051

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2818	.0142	0.0000	.9786	17.2000	0.0000	0.0000	0.0000	.0195	.0080		
2819	-1.8677	0.0000	.9798	17.2000	0.0000	0.0000	0.0000	.0184	.0081		
2820	.0441	0.0000	.9797	17.2000	0.0000	0.0000	0.0000	.0183	.0080		
2821	1.9449	0.0000	.9800	17.2000	0.0000	0.0000	0.0000	.0181	.0079		
2822	3.8874	0.0000	.9797	17.2000	0.0000	0.0000	0.0000	.0183	.0079		
2823	5.9035	0.0000	.9798	17.2000	0.0000	0.0000	0.0000	.0182	.0077		
2824	7.9350	0.0000	.9801	17.2000	0.0000	0.0000	0.0000	.0180	.0075		
2825	9.9913	0.0000	.9791	17.2000	0.0000	0.0000	0.0000	.0187	.0077		
2826	12.1055	0.0000	.9791	17.2000	0.0000	0.0000	0.0000	.0186	.0080		
2827	14.1919	0.0000	.9775	17.2000	0.0000	0.0000	0.0000	.0198	.0079		
2828	16.1796	0.0000	.9764	17.2000	0.0000	0.0000	0.0000	.0207	.0079		
2829	18.1932	0.0000	.9686	17.2000	0.0000	0.0000	0.0000	.0272	.0098		
2830	20.1733	0.0000	.9669	17.2000	0.0000	0.0000	0.0000	.0284	.0102		
2831	21.7023	0.0000	.9663	17.2000	0.0000	0.0000	0.0000	.0285	.0103		
2832	.0302	0.0000	.9804	17.2000	0.0000	0.0000	0.0000	.0177	.0088		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2818	.0142	.3011	.0560	-.0705	.3011	.0286	-.0705	.3011	.0481	-.0705	1.0000
2819	-1.8677	.1658	.0554	-.1064	.1650	.0296	-.1064	.1658	.0474	-.1064	1.0000
2820	.0441	.2929	.0594	-.0682	.2929	.0331	-.0682	.2929	.0514	-.0682	1.0000
2821	1.9449	.4242	.0695	-.0380	.4242	.0434	-.0380	.4242	.0615	-.0380	1.0000
2822	3.8874	.5548	.0845	-.0007	.5548	.0583	-.0007	.5548	.0766	-.0007	1.0000
2823	5.9035	.6842	.1046	.0372	.6842	.0787	.0372	.6842	.0969	.0372	1.0000
2824	7.9350	.7993	.1349	.0823	.7993	.1895	.0823	.7993	.1275	.0823	1.0000
2825	9.9913	.9156	.1783	.1227	.9156	.1520	.1227	.9156	.1707	.1227	1.0000
2826	12.1055	1.0195	.2336	.1624	1.0195	.2070	.1624	1.0195	.2256	.1624	1.0000
2827	14.1919	1.1104	.2967	.2131	1.1104	.2690	.2131	1.1104	.2888	.2131	1.0000
2828	16.1796	1.2106	.3715	.2565	1.2106	.3429	.2565	1.2106	.3636	.2565	1.0000
2829	18.1932	1.3223	.4534	.2497	1.3223	.4464	.2497	1.3223	.4736	.2497	1.0000
2830	20.1733	1.4515	.5783	.2872	1.4515	.5396	.2872	1.4515	.5681	.2872	1.0000
2831	21.7023	1.5438	.6538	.3209	1.5438	.6158	.3209	1.5438	.6435	.3209	1.0000
2832	.0302	.2962	.0788	-.0787	.2962	.0452	-.0787	.2962	.0629	-.0707	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	0 N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2833	.166	1942	.02	.00	100686	.3032	.0708	-.0692	-.0016	.0001	-.0072
2834	.166	1945	.04	-.00	100596	.6595	-.9246	-.2761	-.0031	.0035	-.0150
2835	.166	1932	-1.83	-.00	100609	.5163	-.9223	-.3052	-.0036	.0035	-.0125
2836	.166	1932	.07	-.00	100609	.6560	-.9131	-.2723	-.0028	.0037	-.0153
2837	.166	1945	1.99	-.00	100596	.7878	-.9833	-.2400	-.0022	.0035	-.0130
2838	.165	1922	3.92	-.00	100616	.9339	-.9262	-.2100	-.0036	.0032	-.0101
2839	.166	1935	5.93	-.00	100599	1.0024	-.9380	-.1772	-.0024	.0020	-.0105
2840	.165	1919	7.95	-.00	100619	1.2432	-.9563	-.1464	-.0025	.0029	-.0105
2841	.165	1912	10.03	-.00	100629	1.3885	-.9678	-.1196	-.0030	.0032	-.0123
2842	.166	1945	12.13	-.00	100596	1.5166	-.9568	-.0830	-.0022	.0037	-.0106
2843	.167	1959	14.21	-.00	100582	1.6449	-.9567	-.0409	-.0021	.0039	-.0100
2844	.167	1959	16.22	-.00	100582	1.7803	-.9597	-.0038	-.0034	.0050	-.0058
2845	.166	1952	18.22	-.00	100589	2.0015	-.9499	-.0367	-.0037	.0046	-.0138
2846	.165	1925	20.20	-.00	100616	2.1441	-.9374	.0102	-.0025	.0053	-.0163
2847	.165	1912	21.76	-.00	100629	2.2717	-.9630	.0423	-.0022	.0058	-.0211
2848	.167	1955	.06	.00	100593	.6539	-.9208	-.2750	-.0026	.0036	-.0174

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2833	.0168	0.0000	.9805	17.2000	0.0000	0.0000	0.0000	.0177	.0081		
2834	.0405	20.6671	2.0668	17.2000	1.0638	1.0795	0.0000	-.9653	.0137		
2835	-1.8277	20.5499	2.0589	17.2000	1.0618	1.0783	0.0000	-.9644	.0137		
2836	.0749	28.3852	2.0427	17.2000	1.0477	1.0639	0.0000	-.9501	.0137		
2837	1.9866	20.2729	2.0311	17.2000	1.0319	1.0479	0.0000	-.9324	.0135		
2838	3.9238	20.2782	2.0290	17.2000	1.0441	1.0603	0.0000	-.9403	.0135		
2839	5.9260	20.3047	2.0365	17.2000	1.0411	1.0572	0.0000	-.9377	.0137		
2840	7.9509	20.3380	2.0421	17.2000	1.0543	1.0707	0.0000	-.9469	.0139		
2841	10.0259	20.3917	2.0441	17.2000	1.0618	1.0783	0.0000	-.9468	.0143		
2842	12.1346	20.4338	2.0461	17.2000	1.0469	1.0632	0.0000	-.9255	.0148		
2843	14.2130	20.4600	2.0543	17.2000	1.0444	1.0606	0.0000	-.9185	.0156		
2844	16.2201	20.5104	2.0622	17.2000	1.0503	1.0666	0.0000	-.9165	.0169		
2845	18.2224	20.4722	2.0498	17.2000	1.0482	1.0645	0.0000	-.8991	.0175		
2846	20.2029	20.0886	2.0190	17.2000	1.0331	1.0492	0.0000	-.8744	.0181		
2847	21.7584	20.2968	2.0344	17.2000	1.0566	1.0730	0.0000	-.8847	.0191		
2848	.0566	20.4545	2.0568	17.2000	1.0495	1.0658	0.0000	-.9514	.0139		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2833	.0168	.3031	-.0709	-.0692	.3031	.0452	-.0692	.3031	-.0629	-.0692	1.0000
2834	.0405	.6601	-.9242	-.2761	.6594	.1252	-.1562	.6602	-1.0565	-.2895	1.2000
2835	-1.8277	.4866	-.9383	-.3852	.5205	.1892	-.1854	.4828	-1.0718	-.3107	1.2000
2836	.0749	.6572	-.9123	-.2723	.6558	.1217	-.1541	.6574	-1.0600	-.2875	1.2000
2837	1.9866	.8178	-.8755	-.2400	.7820	.1423	-.1236	.8230	-1.0387	-.2569	1.2000
2838	3.9238	.9951	-.8601	-.2100	.9237	.1688	-.0922	1.0845	-1.0109	-.2255	1.2000
2839	5.9260	1.1735	-.8212	-.1772	1.0660	.2806	-.0598	1.1800	-.9747	-.1931	1.2000
2840	7.9509	1.3635	-.7752	-.1464	1.2177	.2551	-.0274	1.3811	-.9152	-.1607	1.2000
2841	10.0259	1.5358	-.7113	-.1196	1.3589	.3200	-.0082	1.5566	-.8436	-.1331	1.2000
2842	12.1346	1.6839	-.6166	-.0830	1.4638	.3921	.0351	1.7122	-.7631	-.0982	1.2000
2843	14.2130	1.8294	-.5236	-.0409	1.5730	.4732	.0769	1.8631	-.6722	-.0564	1.2000
2844	16.2201	1.9775	-.4242	-.0038	1.6841	.5673	.1147	2.0142	-.5673	-.0186	1.2000
2845	18.2224	2.1982	-.2764	-.0367	1.8704	.7017	.0815	2.2399	-.4207	-.0518	1.2000
2846	20.2029	2.3359	-.1393	.0102	1.9791	.8121	.1268	2.3872	-.2968	-.0065	1.2000
2847	21.7584	2.4668	-.0523	.0423	2.0752	.9100	.1615	2.5132	-.1875	.0282	1.2000
2848	.0566	.6548	-.9202	-.2750	.6538	.1154	-.1566	.6549	-1.0663	-.2899	1.2000

NASA LANGLEY											
TEST	995					7 X 10 HIGH SPEED TUNNEL					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2849	.167	1955	.05	-.00	100599	.7665	-1.3633	-.3488	-.0048	.0040	-.0065
2850	.167	1955	-1.82	-.00	100599	.6072	-1.3716	-.3839	-.0052	.0044	-.0106
2851	.167	1955	.08	-.00	100603	.7498	-1.3723	-.3542	-.0050	.0046	-.0131
2852	.166	1949	1.99	-.00	100609	.8809	-1.3447	-.3197	-.0041	.0045	-.0123
2853	.166	1949	3.92	-.00	100606	1.8318	-1.3585	-.2912	-.0048	.0043	-.0163
2854	.164	1982	5.94	-.00	100653	1.1927	-1.4107	-.2650	-.0046	.0034	-.0146
2855	.165	1922	7.97	-.00	100626	1.3478	-1.4100	-.2269	-.0042	.0038	-.0122
2856	.166	1939	10.04	-.00	100609	1.4910	-1.4025	-.1982	-.0048	.0042	-.0126
2857	.165	1925	12.14	-.00	100623	1.6145	-1.4169	-.1635	-.0041	.0045	-.0124
2858	.166	1949	14.23	-.00	100592	1.7386	-1.4070	-.1175	-.0049	.0046	-.0113
2859	.166	1949	16.22	-.00	100592	1.8673	-1.4085	-.0791	-.0068	.0050	-.0142
2860	.166	1945	18.23	-.00	100599	2.0845	-1.4022	-.1884	-.0067	.0051	-.0138
2861	.166	1952	20.22	-.00	100596	2.2261	-1.4062	-.0661	-.0054	.0056	-.0182
2862	.165	1929	21.69	-.00	100619	2.3559	-1.4350	-.0389	-.0046	.0062	-.0220
2863	.166	1945	.02	-.00	100596	.7517	-1.3936	-.3534	-.0049	.0048	-.0163

TEST				995				RUN				170			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C						
2849	.0514	25.6368	2.5789	17.2000	1.4881	1.5112	0.0000	-1.4215	.0155						
2850	-1.8150	25.7184	2.5884	17.2000	1.4955	1.5187	0.0000	-1.4294	.0157						
2851	.0824	25.7467	2.5770	17.2000	1.4946	1.5178	0.0000	-1.4199	.0157						
2852	1.9922	25.3468	2.5410	17.2000	1.4664	1.4892	0.0000	-1.3914	.0154						
2853	3.9233	25.3911	2.5479	17.2000	1.4728	1.4949	0.0000	-1.3952	.0152						
2854	5.9443	25.3714	2.5519	17.2000	1.5073	1.5307	0.0000	-1.4290	.0156						
2855	7.9675	25.4472	2.5581	17.2000	1.4981	1.5213	0.0000	-1.4135	.0157						
2856	10.0394	25.5344	2.5615	17.2000	1.4918	1.5150	0.0000	-1.3963	.0160						
2857	12.1434	25.5201	2.5629	17.2000	1.5020	1.5253	0.0000	-1.3971	.0172						
2858	14.2250	25.6391	2.5716	17.2000	1.4936	1.5168	0.0000	-1.3761	.0186						
2859	16.2241	25.6208	2.5779	17.2000	1.4941	1.5173	0.0000	-1.3685	.0201						
2860	18.2288	25.6675	2.5802	17.2000	1.5003	1.5236	0.0000	-1.3582	.0210						
2861	20.2204	25.7012	2.5812	17.2000	1.4981	1.5213	0.0000	-1.3380	.0226						
2862	21.6916	25.7991	2.5910	17.2000	1.5240	1.5476	0.0000	-1.3494	.0236						
2863	.0154	25.8227	2.5956	17.2000	1.5147	1.5383	0.0000	-1.4438	.0156						

TEST	995					170					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2849	.0514	.7677	-1.3626	-.3488	.7664	.1180	-.1889	.7677	-1.3671	-.3476	1.5000
2850	-1.8150	.5634	-1.3981	-.3839	.6108	.0889	-.2152	.5640	-1.3874	-.3818	1.5000
2851	.0824	.7518	-1.3712	-.3542	.7496	.1877	-.1855	.7517	-1.3693	-.3522	1.5000
2852	1.9922	.9271	-1.3132	-.3197	.8761	.1369	-.1542	.9275	-1.3393	-.3209	1.5000
2853	3.9233	1.1223	-1.2847	-.2912	1.0216	.1687	-.1251	1.1226	-1.3049	-.2917	1.5000
2854	5.9443	1.3323	-1.2796	-.2650	1.1762	.2040	-.0949	1.3292	-1.2652	-.2616	1.5000
2855	7.9675	1.5294	-1.2097	-.2269	1.3218	.2581	-.0579	1.5265	-1.2047	-.2245	1.5000
2856	10.0394	1.7126	-1.1211	-.1982	1.4526	.3318	-.0299	1.7101	-1.1226	-.1966	1.5000
2857	12.1434	1.8764	-1.0456	-.1635	1.5684	.4057	.0060	1.8712	-1.0384	-.1607	1.5000
2858	14.2250	2.0310	-.9367	-.1175	1.6640	.4925	.0510	2.0270	-.9393	-.1157	1.5000
2859	16.2241	2.1865	-.8307	-.0791	1.7690	.5838	.0895	2.1817	-.8344	-.0772	1.5000
2860	18.2288	2.4185	-.6798	-.1084	1.9492	.7242	.0608	2.4112	-.6788	-.1058	1.5000
2861	20.2204	2.5749	-.5502	-.0661	2.0571	.8338	.1029	2.5677	-.5530	-.0637	1.5000
2862	21.6916	2.7195	-.4626	-.0389	2.1562	.9298	.1331	2.7821	-.4426	-.0336	1.5000
2863	.0154	.7521	-1.3934	-.3534	.7517	.1057	-.1825	.7521	-1.3714	-.3491	1.5000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST 995		RUN 171									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYN,B	CSF
2865	.167	1955	.08	.00	100586	.8602	-1.5988	-.4318	-.0020	.0044	-.0179
2866	.166	1942	-1.82	-.00	100592	.7236	-1.6055	-.4634	-.0022	.0043	-.0133
2867	.166	1949	.08	-.00	100586	.8573	-1.5987	-.4313	-.0019	.0044	-.0157
2868	.167	1955	1.98	-.00	100579	.9940	-1.5964	-.3982	-.0023	.0044	-.0152
2869	.166	1942	3.95	-.00	100599	1.1398	-1.6150	-.3679	-.0018	.0044	-.0164
2870	.167	1962	5.95	-.00	100579	1.2832	-1.6085	-.3303	-.0020	.0031	-.0129
2871	.167	1955	7.96	-.00	100589	1.4372	-1.6200	-.2969	-.0013	.0036	-.0120
2872	.165	1929	10.05	-.00	100619	1.6067	-1.6415	-.2650	-.0010	.0056	.0061
2873	.166	1935	12.14	.00	100616	1.7169	-1.6336	-.2371	-.0013	.0038	-.0196
2874	.166	1939	14.23	-.00	100616	1.8398	-1.6279	-.1966	-.0013	.0045	-.0119
2875	.166	1945	16.22	-.00	100606	1.9756	-1.6183	-.1554	-.0023	.0049	-.0149
2876	.166	1939	18.23	-.00	100616	2.1900	-1.6082	-.1873	-.0026	.0051	-.0181
2877	.166	1932	20.22	-.00	100626	2.3458	-1.6115	-.1410	-.0012	.0057	-.0239
2878	.166	1935	21.69	.00	100623	2.4622	-1.6174	-.1088	-.0015	.0058	-.0306
2879	.166	1942	.05	-.00	100606	.8425	-1.5679	-.4185	-.0017	.0044	-.0136
2880	.166	1949	.02	-.00	100606	.2926	.0591	-.0719	-.0012	.0003	-.0026

TEST 995		RUN 171									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C		
2865	.0824	28.3324	2.8577	17.2000	1.7246	1.7514	0.0000	-1.6722	.0152		
2866	-1.8227	28.2868	2.8533	17.2000	1.7340	1.7609	0.0000	-1.6790	.0153		
2867	.0774	28.2487	2.8503	17.2000	1.7248	1.7515	0.0000	-1.6713	.0152		
2868	1.9845	28.2251	2.8453	17.2000	1.7149	1.7415	0.0000	-1.6600	.0151		
2869	3.9478	28.1646	2.8426	17.2000	1.7217	1.7485	0.0000	-1.6663	.0149		
2870	5.9528	28.1426	2.8348	17.2000	1.7036	1.7301	0.0000	-1.6372	.0149		
2871	7.9618	28.1192	2.8356	17.2000	1.7072	1.7336	0.0000	-1.6365	.0151		
2872	10.0487	28.1028	2.8292	17.2000	1.7292	1.7561	0.0000	-1.6441	.0157		
2873	12.1366	28.0812	2.8282	17.2000	1.7205	1.7472	0.0000	-1.6259	.0168		
2874	14.2312	28.0340	2.8255	17.2000	1.7135	1.7401	0.0000	-1.6069	.0185		
2875	16.2155	27.9933	2.8200	17.2000	1.7041	1.7305	0.0000	-1.5815	.0200		
2876	18.2253	27.9515	2.8190	17.2000	1.7062	1.7327	0.0000	-1.5690	.0209		
2877	20.2172	27.9080	2.8134	17.2000	1.7088	1.7353	0.0000	-1.5508	.0227		
2878	21.6940	27.8975	2.8105	17.2000	1.7038	1.7303	0.0000	-1.5305	.0237		
2879	.0537	27.8059	2.8032	17.2000	1.6915	1.7178	0.0000	-1.6346	.0151		
2880	.0183	0.0000	.9673	17.2000	0.0000	0.0000	0.0000	.0295	.0060		

TEST 995		RUN 171									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
2865	.0824	.8625	-1.5975	-.4318	.8600	.1119	-.2373	.8626	-1.6606	-.4372	1.8000
2866	-1.8227	.6722	-1.6277	-.4634	.7273	.0901	-.2677	.6710	-1.6815	-.4677	1.8000
2867	.0774	.8595	-1.5975	-.4313	.8571	.1121	-.2368	.8595	-1.6604	-.4367	1.8000
2868	1.9845	1.0487	-1.5610	-.3982	.9893	.1378	-.2048	1.0507	-1.6336	-.4047	1.8000
2869	3.9478	1.2475	-1.5327	-.3679	1.1290	.1700	-.1736	1.2510	-1.5983	-.3736	1.8000
2870	5.9528	1.4431	-1.4667	-.3303	1.2664	.2128	-.1381	1.4502	-1.5501	-.3381	1.8000
2871	7.9618	1.6477	-1.4053	-.2969	1.4113	.2703	-.1043	1.6568	-1.4851	-.3043	1.8000
2872	10.0487	1.8684	-1.3360	-.2650	1.5667	.3510	-.0699	1.8760	-1.3943	-.2699	1.8000
2873	12.1366	2.0219	-1.2361	-.2371	1.6602	.4291	-.0430	2.0329	-1.3038	-.2430	1.8000
2874	14.2312	2.1836	-1.1257	-.1966	1.7624	.5167	-.0033	2.1981	-1.2014	-.2033	1.8000
2875	16.2155	2.3489	-1.0023	-.1554	1.8731	.6141	.0368	2.3680	-1.0879	-.1631	1.8000
2876	18.2253	2.5831	-.8426	-.1873	2.0495	.7571	.0051	2.6039	-.9265	-.1948	1.8000
2877	20.2172	2.7582	-.7016	-.1410	2.1677	.8792	.0510	2.7802	-.7841	-.1482	1.8000
2878	21.6940	2.8856	-.5927	-.1088	2.2558	.9668	.0834	2.9110	-.6802	-.1165	1.8000
2879	.0537	.8440	-1.5671	-.4185	.8424	.1093	-.2277	.8440	-1.6632	-.4276	1.8000
2880	.0183	.2926	.0592	-.0719	.2926	.0216	-.0719	.2926	.0512	-.0719	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			RUN 172								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2892	.166	1939	.01	.00	100318	.3905	.0605	-.1119	-.0012	-.0003	-.0104
2893	.166	1932	-1.85	.00	100325	.2627	.0626	-.1452	-.0014	-.0000	-.0109
2894	.166	1939	.05	.00	100321	.3920	.0596	-.1112	-.0006	-.0005	-.0107
2895	.167	1952	1.96	.00	100305	.5237	.0527	-.0768	-.0016	-.0005	-.0107
2896	.166	1925	3.91	.00	100338	.6505	.0420	-.0400	-.0014	-.0005	-.0091
2897	.165	1919	5.91	.00	100345	.7859	.0280	-.0005	-.0005	-.0008	-.0100
2898	.166	1925	7.93	.00	100338	.9005	.0177	.0411	-.0009	-.0005	-.0109
2899	.166	1932	9.99	.00	100331	1.0061	.0113	.0898	-.0018	-.0003	-.0099
2900	.165	1919	12.09	-.00	100345	1.1029	.0091	.1362	-.0008	-.0004	-.0052
2901	.166	1925	14.15	.00	100338	1.2129	.0114	.1851	-.0007	.0003	-.0137
2903	.166	1935	16.17	.00	100335	1.3079	.0048	.2322	-.0028	.0002	-.0091
2904	.166	1945	18.16	-.00	100352	1.4251	.0313	.2274	-.0015	-.0000	-.0043
2905	.164	1892	20.16	.00	100385	1.5877	.0272	.2675	-.0005	-.0010	-.0140
2906	.165	1916	21.62	-.00	100369	1.6896	.0229	.3005	.0000	.0004	-.0021
2907	.166	1925	.04	.00	100369	.3946	.0560	-.1130	-.0002	-.0005	-.0097

TEST			RUN						
995			172						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
2892	.0130	0.0000	.9844	17.2000	0.0000	0.0000	0.0000	.0142	.0081
2893	-1.8472	0.0000	.9833	17.2000	0.0000	0.0000	0.0000	.0151	.0083
2894	.0479	0.0000	.9844	17.2000	0.0000	0.0000	0.0000	.0141	.0082
2895	1.9574	0.0000	.9844	17.2000	0.0000	0.0000	0.0000	.0141	.0081
2896	3.9077	0.0000	.9851	17.2000	0.0000	0.0000	0.0000	.0136	.0081
2897	5.9111	0.0000	.9853	17.2000	0.0000	0.0000	0.0000	.0134	.0080
2898	7.9346	0.0000	.9852	17.2000	0.0000	0.0000	0.0000	.0134	.0078
2899	9.9893	0.0000	.9852	17.2000	0.0000	0.0000	0.0000	.0133	.0081
2900	12.0874	0.0000	.9843	17.2000	0.0000	0.0000	0.0000	.0141	.0082
2901	14.1529	0.0000	.9829	17.2000	0.0000	0.0000	0.0000	.0152	.0083
2903	16.1722	0.0000	.9818	17.2000	0.0000	0.0000	0.0000	.0158	.0080
2904	18.1587	0.0000	.9741	17.2000	0.0000	0.0000	0.0000	.0222	.0095
2905	20.1612	0.0000	.9736	17.2000	0.0000	0.0000	0.0000	.0230	.0099
2906	21.6214	0.0000	.9721	17.2000	0.0000	0.0000	0.0000	.0238	.0100
2907	.0386	0.0000	.9870	17.2000	0.0000	0.0000	0.0000	.0118	.0078

NASA LANGLEY											
TEST			RUN 172								
995			RUN 172								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2892	.0130	.3905	.0605	-.1119	.3905	.0383	-.1119	.3905	.0524	-.1119	1.0000
2893	-1.8472	.2646	.0541	-.1452	.2646	.0307	-.1452	.2646	.0458	-.1452	1.0000
2894	.0479	.3919	.0599	-.1112	.3919	.0376	-.1112	.3919	.0517	-.1112	1.0000
2895	1.9574	.5216	.0706	-.0768	.5216	.0484	-.0768	.5216	.0624	-.0768	1.0000
2896	3.9077	.6461	.0863	-.0400	.6461	.0646	-.0400	.6461	.0782	-.0400	1.0000
2897	5.9111	.7788	.1088	-.0005	.7788	.0874	-.0005	.7788	.1008	-.0005	1.0000
2898	7.9346	.8895	.1418	.0411	.8895	.1206	.0411	.8895	.1340	.0411	1.0000
2899	9.9893	.9889	.1857	.0898	.9889	.1643	.0898	.9889	.1776	.0898	1.0000
2900	12.0874	1.0765	.2399	.1362	1.0765	.2175	.1362	1.0765	.2316	.1362	1.0000
2901	14.1529	1.1733	.3076	.1851	1.1733	.2841	.1851	1.1733	.2992	.1851	1.0000
2903	16.1722	1.2548	.3689	.2322	1.2548	.3451	.2322	1.2548	.3609	.2322	1.0000
2904	18.1587	1.3444	.4739	.2274	1.3444	.4422	.2274	1.3444	.4645	.2274	1.0000
2905	20.1612	1.4810	.5727	.2675	1.4810	.5398	.2675	1.4810	.5628	.2675	1.0000
2906	21.6214	1.5622	.6438	.3005	1.5622	.6100	.3005	1.5622	.6338	.3005	1.0000
2907	.0386	.3946	.0563	-.1130	.3946	.0366	-.1130	.3946	.0484	-.1130	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 173							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2908	.165	1919	.04	.00	100372	.3949	.0549	-.1133	-.0010	-.0006	-.0095
2909	.166	1929	.02	.00	100375	.3953	.0537	-.1108	-.0011	-.0004	-.0082
2910	.166	1939	.04	.00	100325	.7636	-.9259	-.3231	-.0019	.0029	-.0202
2911	.166	1942	-1.84	.00	100321	.6217	-.9232	-.3532	-.0024	.0030	-.0217
2912	.167	1949	.07	.00	100322	.7601	-.9256	-.3208	-.0012	.0029	-.0192
2913	.166	1945	1.97	.00	100318	.8991	-.9347	-.2921	-.0028	.0031	-.0168
2914	.166	1939	3.92	.00	100328	1.0416	-.9519	-.2604	-.0025	.0028	-.0187
2915	.165	1912	5.94	.00	100358	1.1944	-.9811	-.2279	-.0008	.0017	-.0181
2916	.165	1912	7.91	.00	100358	1.3428	-.9827	-.1930	-.0026	.0027	-.0184
2917	.165	1912	10.02	.00	100358	1.4586	-.9816	-.1557	-.0028	.0031	-.0202
2918	.166	1935	12.09	.00	100335	1.5678	-.9649	-.1123	-.0017	.0038	-.0209
2919	.167	1955	14.16	.00	100315	1.6815	-.9563	-.0641	-.0045	.0039	-.0236
2920	.167	1952	16.20	.00	100328	1.8135	-.9528	-.0274	-.0031	.0041	-.0240
2921	.167	1962	18.20	-.00	100312	2.0396	-.9381	-.0528	-.0032	.0048	-.0140
2922	.166	1929	20.21	.00	100348	2.1939	-.9616	-.0148	-.0017	.0039	-.0180
2923	.165	1909	21.74	-.00	100368	2.3206	-.9768	.0174	-.0012	.0044	-.0137
2924	.167	1955	.07	.00	100322	.7571	-.9170	-.3227	-.0030	.0030	-.0264

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 173							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2908	.0386	0.0000	.9869	17.2000	0.0000	0.0000	0.0000	.0120	.0078		
2909	.0249	0.0000	.9872	17.2000	0.0000	0.0000	0.0000	.0117	.0077		
2910	.0375	19.9721	2.0397	17.2000	1.0252	1.0411	0.0000	-.9414	.0130		
2911	-1.8377	19.9767	2.0402	17.2000	1.0278	1.0438	0.0000	-.9398	.0130		
2912	.0677	19.9240	2.0377	17.2000	1.0239	1.0398	0.0000	-.9349	.0129		
2913	1.9745	19.9346	2.0395	17.2000	1.0283	1.0443	0.0000	-.9375	.0128		
2914	3.9217	19.9361	2.0431	17.2000	1.0323	1.0483	0.0000	-.9423	.0128		
2915	5.9369	19.9341	2.0438	17.2000	1.0424	1.0585	0.0000	-.9534	.0130		
2916	7.9081	19.9305	2.0426	17.2000	1.0391	1.0552	0.0000	-.9484	.0131		
2917	10.0234	19.9356	2.0399	17.2000	1.0338	1.0498	0.0000	-.9404	.0137		
2918	12.0885	19.9300	2.0392	17.2000	1.0218	1.0369	0.0000	-.9218	.0143		
2919	14.1558	19.9649	2.0402	17.2000	1.0134	1.0291	0.0000	-.9055	.0148		
2920	16.1981	19.9580	2.0399	17.2000	1.0157	1.0314	0.0000	-.8982	.0163		
2921	18.1971	19.9735	2.0398	17.2000	1.0124	1.0282	0.0000	-.8838	.0165		
2922	20.2087	19.9983	2.0407	17.2000	1.0317	1.0477	0.0000	-.8891	.0174		
2923	21.7387	19.9764	2.0365	17.2000	1.0409	1.0570	0.0000	-.8857	.0182		
2924	.0652	19.9926	2.0396	17.2000	1.0175	1.0333	0.0000	-.9334	.0131		

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 173							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2908	.0386	.3948	.0552	-.1133	.3948	.0354	-.1133	.3948	.0474	-.1133	1.0000
2909	.0249	.3953	.0539	-.1108	.3953	.0345	-.1108	.3953	.0462	-.1108	1.0000
2910	.0375	.7642	-.9254	-.3231	.7635	.0867	-.2074	.7643	-1.0949	-.3407	1.2000
2911	-1.8377	.5918	-.9427	-.3532	.6248	.0716	-.2373	.5869	-1.1095	-.3706	1.2000
2912	.0677	.7612	-.9247	-.3208	.7608	.0863	-.2053	.7614	-1.0954	-.3386	1.2000
2913	1.9745	.9308	-.9031	-.921	.8953	.1117	-.1760	.9360	-1.0692	-.3094	1.2000
2914	3.9217	1.1042	-.8784	-.2604	1.0336	.1387	-.1439	1.1144	-1.0402	-.2773	1.2000
2915	5.9369	1.2895	-.8523	-.2279	1.1817	.1715	-.1183	1.3039	-1.0038	-.2436	1.2000
2916	7.9081	1.4653	-.7806	-.1930	1.3223	.2275	-.0757	1.4849	-.9429	-.2090	1.2000
2917	10.0234	1.6072	-.7128	-.1557	1.4272	.2915	-.0390	1.6329	-.8721	-.1723	1.2000
2918	12.0885	1.7351	-.6152	-.1123	1.5212	.3689	.0029	1.7687	-.7866	-.1304	1.2000
2919	14.1558	1.8643	-.5160	-.0641	1.6165	.4518	.0502	1.9055	-.6940	-.0831	1.2000
2920	16.1981	2.0073	-.4091	-.0274	1.7240	.5580	.0872	2.0536	-.5848	-.0461	1.2000
2921	18.1971	2.2385	-.2542	-.0528	1.9143	.6911	.0614	2.2834	-.4315	-.0719	1.2000
2922	20.2087	2.3910	-.1445	-.0148	2.0346	.8062	.1016	2.4428	-.3028	-.0317	1.2000
2923	21.7387	2.5174	-.0478	.0174	2.1318	.9008	.1349	2.5695	-.1968	.0016	1.2000
2924	.0652	.7581	-.9162	-.3227	.7569	.0883	-.2079	.7583	-1.0934	-.3412	1.2000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2925	.166	1935	.05	.00	100335	.8733	-1.4007	-.4080	-.0046	.0038	-.0191
2926	.166	1925	-1.82	.00	100345	.7351	-1.4019	-.4411	-.0043	.0042	-.0256
2927	.167	1952	.08	.00	100332	.8671	-1.3833	-.4036	-.0045	.0042	-.0223
2928	.166	1932	1.99	.00	100331	1.0125	-1.4080	-.3769	-.0046	.0039	-.0208
2929	.166	1939	3.94	.00	100321	1.1501	-1.4166	-.3431	-.0046	.0040	-.0189
2930	.166	1925	5.93	.00	100331	1.2974	-1.4415	-.3106	-.0040	.0032	-.0234
2931	.166	1929	7.96	.00	100328	1.4448	-1.4473	-.2749	-.0050	.0037	-.0219
2932	.165	1922	17.02	-.00	100331	1.5630	-1.4510	-.2361	-.0049	.0039	-.0180
2933	.165	1922	12.11	.00	100328	1.6751	-1.4517	-.1947	-.0038	.0045	-.0236
2934	.165	1922	14.20	.00	100325	1.7968	-1.4534	-.1516	-.0049	.0051	-.0248
2935	.166	1945	16.21	-.00	100298	1.9111	-1.4351	-.1052	-.0352	.0053	-.0228
2936	.166	1939	18.23	.00	100304	2.1218	-1.4298	-.1355	-.0058	.0045	-.0225
2937	.166	1929	20.18	-.00	100308	2.2779	-1.4436	-.0933	-.0051	.0048	-.0176
2938	.166	1932	21.67	-.00	100384	2.3899	-1.4473	-.0622	-.0047	.0049	-.0178
2939	.166	1935	.08	.00	100288	.8686	-1.4069	-.4089	-.0043	.0039	-.0214

NASA LANGLEY										
TEST 995			7 X 10 HIGH SPEED TUNNEL							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	RUN		174			
					CT	CMU,N	CMU,J	CD,N	CD,C	
2925	.0455	25.4518	2.5932	17.2000	1.4940	1.5171	0.0000	-1.4453	.0151	
2926	-1.8198	25.4198	2.5860	17.2000	1.4975	1.5207	0.0000	-1.4455	.0153	
2927	.0827	25.4382	2.5825	17.2000	1.4778	1.5007	0.0000	-1.4234	.0150	
2928	1.9932	25.4189	2.5904	17.2000	1.4936	1.5168	0.0000	-1.4443	.0149	
2929	3.9397	25.4533	2.5897	17.2000	1.4988	1.5139	0.0000	-1.4361	.0148	
2930	5.9311	25.4566	2.5902	17.2000	1.5016	1.5249	0.0000	-1.4422	.0148	
2931	7.9616	25.4830	2.5891	17.2000	1.5002	1.5235	0.0000	-1.4325	.0150	
2932	10.0242	25.5167	2.5942	17.2000	1.5081	1.5315	0.0000	-1.4339	.0157	
2933	12.1101	25.4855	2.5902	17.2000	1.5057	1.5291	0.0000	-1.4200	.0167	
2934	14.2048	25.4916	2.5891	17.2000	1.5065	1.5299	0.0000	-1.4070	.0181	
2935	16.2099	25.5172	2.5949	17.2000	1.4910	1.5141	0.0000	-1.3817	.0196	
2936	18.2269	25.5478	2.5949	17.2000	1.4980	1.5212	0.0000	-1.3715	.0203	
2937	20.1849	25.5391	2.5948	17.2000	1.5054	1.5287	0.0000	-1.3621	.0221	
2938	21.6661	25.5549	2.5983	17.2000	1.5043	1.5277	0.0000	-1.3493	.0230	
2939	.0753	25.5595	2.5980	17.2000	1.5022	1.5255	0.0000	-1.4489	.0153	

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2925	.0455	.8744	-1.4000	-.4080	.8732	.0788	-.2395	.8744	-1.3982	-.4061	1.5000
2926	-1.8198	.6902	-1.4245	-.4411	.7378	.0569	-.2721	.6909	-1.4194	-.4388	1.5000
2927	.0827	.8691	-1.3820	-.4036	.8669	.0808	-.2369	.8691	-1.3963	-.4035	1.5000
2928	1.9932	1.0609	-1.3719	-.3769	1.0090	.1059	-.2084	1.0603	-1.3703	-.3750	1.5000
2929	3.9397	1.2447	-1.3343	-.3431	1.1423	.1382	-.1749	1.2437	-1.3354	-.3416	1.5000
2930	5.9311	1.4394	-1.2997	-.3106	1.2843	.1791	-.1412	1.4369	-1.2901	-.3078	1.5000
2931	7.9616	1.6313	-1.2333	-.2749	1.4235	.2374	-.1057	1.6281	-1.2254	-.2723	1.5000
2932	10.0242	1.7917	-1.1568	-.2361	1.5292	.3126	-.0660	1.7863	-1.1419	-.2326	1.5000
2933	12.1101	1.9424	-1.0680	-.1947	1.6265	.3875	-.0246	1.9364	-1.0567	-.1914	1.5000
2934	14.2048	2.0985	-.9680	-.1516	1.7288	.4744	.0184	2.0913	-.9575	-.1483	1.5000
2935	16.2099	2.2358	-.8445	-.1052	1.8195	.5676	.0630	2.2319	-.8508	-.1037	1.5000
2936	18.2269	2.4626	-.6944	-.0933	1.9946	.7882	.0335	2.4560	-.6948	-.1332	1.5000
2937	20.1849	2.6361	-.5689	-.0622	2.1167	.9219	.0766	2.6264	-.5645	-.0901	1.5000
2938	21.6661	2.7554	-.4627	-.0489	2.2000	.9124	.1076	2.7453	-.4604	-.0591	1.5000
2939	.0753	.8705	-1.4057	-.4089	.8685	.0812	-.2394	.8704	-1.3959	-.4060	1.5000

NASA LANGLEY											
TEST		995		7 X 10 HIGH SPEED TUNNEL							
				RUN 175							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
2940	.166	1945	.05	.00	100264	.9770	-1.6156	-.4856	-.0011	.0042	-.0228
2941	.166	1942	-1.82	.00	100267	.8419	-1.6229	-.5193	-.0012	.0042	-.0223
2942	.166	1942	.08	.00	100267	.9858	-1.6319	-.4901	-.0012	.0038	-.0206
2943	.166	1932	1.99	.00	100277	1.1276	-1.6443	-.4598	-.0014	.0041	-.0233
2944	.166	1935	3.95	.00	100281	1.2529	-1.6344	-.4185	-.0017	.0037	-.0204
2945	.166	1945	5.95	.00	100271	1.3952	-1.6382	-.3815	.0003	.0027	-.0208
2946	.167	1952	7.97	.00	100271	1.5444	-1.6351	-.3443	-.0011	.0032	-.0224
2947	.165	1916	9.99	.00	100308	1.6694	-1.6628	-.3117	-.0016	.0038	-.0244
2948	.167	1958	12.13	.00	100267	1.7702	-1.6297	-.2653	-.0008	.0049	-.0336
2949	.167	1955	14.20	.00	100267	1.8953	-1.6375	-.2254	-.0006	.0046	-.0276
2950	.167	1962	16.17	.00	100267	2.0142	-1.6329	-.1845	-.0025	.0049	-.0242
2951	.166	1942	18.22	.00	100288	2.2408	-1.6417	-.2159	-.0033	.0048	-.0225
2952	.166	1929	20.21	-.00	100301	2.3986	-1.6634	-.1738	-.0014	.0050	-.0192
2953	.166	1939	21.71	.00	100291	2.5136	-1.6642	-.1408	-.0019	.0048	-.0225
2954	.165	1912	.07	.00	100321	.9927	-1.6622	-.4983	-.0013	.0034	-.0268
2956	.166	1935	.03	.00	100301	.3903	.0309	-.1136	-.0012	-.0003	-.0126

TEST 995			RUN 175						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C
2940	.0521	28.1501	2.8542	17.2000	1.7154	1.7420	0.0000	-1.6723	.0154
2941	-1.8156	28.2819	2.8640	17.2000	1.7292	1.7561	0.0000	-1.6832	.0155
2942	.0803	28.3487	2.8717	17.2000	1.7356	1.7626	0.0000	-1.6910	.0154
2943	1.9875	28.3068	2.8716	17.2000	1.7401	1.7671	0.0000	-1.6987	.0153
2944	3.9492	28.0658	2.8470	17.2000	1.7177	1.7443	0.0000	-1.6707	.0150
2945	5.9543	27.9794	2.8396	17.2000	1.7012	1.7276	0.0000	-1.6503	.0149
2946	7.9745	27.9881	2.8332	17.2000	1.6945	1.7208	0.0000	-1.6320	.0151
2947	9.9901	28.0442	2.8309	17.2000	1.7291	1.7559	0.0000	-1.6522	.0159
2948	12.1328	27.9717	2.8365	17.2000	1.6884	1.7145	0.0000	-1.6085	.0170
2949	14.2031	28.0595	2.8469	17.2000	1.6982	1.7245	0.0000	-1.6067	.0186
2950	16.1670	28.1003	2.8498	17.2000	1.6962	1.7225	0.0000	-1.5889	.0201
2951	18.2195	28.1358	2.8544	17.2000	1.7161	1.7427	0.0000	-1.5917	.0211
2952	20.2138	28.2594	2.8545	17.2000	1.7362	1.7631	0.0000	-1.5836	.0227
2953	21.7134	28.2253	2.8647	17.2000	1.7259	1.7527	0.0000	-1.5682	.0239
2954	.0704	28.3580	2.8761	17.2000	1.7631	1.7905	0.0000	-1.7222	.0155
2956	.0270	.0694	.9749	17.2000	0.0000	0.0000	0.0000	.0228	.0079

TEST			995			RUN			175			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM	
2940	.0521	.9785	-1.6147	-.4856	.9769	.0853	-.2921	.9785	-1.6872	-.4920	1.8000	
2941	-1.8156	.7900	-1.6480	-.5193	.8448	.0641	-.3242	.7887	-1.7075	-.5242	1.8000	
2942	.0803	.9881	-1.6305	-.4901	.9856	.0897	-.2943	.9881	-1.6828	-.4943	1.8000	
2943	1.9875	1.1840	-1.6042	-.4598	1.1236	.1195	-.2635	1.1851	-1.6519	-.4635	1.8000	
2944	3.9492	1.3625	-1.5443	-.4185	1.2442	.1543	-.2247	1.3663	-1.6139	-.4247	1.8000	
2945	5.9543	1.5576	-1.4846	-.3815	1.3811	.1925	-.1895	1.5650	-1.5704	-.3895	1.8000	
2946	7.9745	1.7563	-1.4050	-.3443	1.5212	.2579	-.1531	1.7671	-1.4974	-.3531	1.8000	
2947	9.9901	1.9326	-1.3480	-.3117	1.6326	.3390	-.1166	1.9401	-1.4066	-.3166	1.8000	
2948	12.1328	2.0732	-1.2212	-.2653	1.7184	.4125	-.0748	2.0909	-1.3204	-.2748	1.8000	
2949	14.2031	2.2391	-1.1224	-.2254	1.8225	.5053	-.0338	2.2574	-1.2130	-.2338	1.8000	
2950	16.1670	2.3892	-1.0075	-.1845	1.9169	.6015	.0068	2.4104	-1.1009	-.1931	1.8000	
2951	18.2195	2.6417	-.8588	-.2159	2.1852	.7502	-.0223	2.6594	-.9335	-.2223	1.8000	
2952	20.2138	2.8256	-.7321	-.1738	2.2257	.8744	.0221	2.8382	-.7890	-.1779	1.8000	
2953	21.7134	2.9509	-.6162	-.1408	2.3124	.9633	.0540	2.9682	-.6834	-.1460	1.8000	
2954	.0704	.9947	-1.6610	-.4983	.9926	.0866	-.2994	.9947	-1.6859	-.4994	1.8000	
2956	.0270	.3903	.0311	-.1136	.3903	.0064	-.1136	.3903	.0232	-.1136	1.0000	

NASA LANGLEY											
7 X 10 HIGH SPEED TUNNEL											
TEST	995	RUN 176									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
2959	.166	1929	.05	.00	100447	.7370	.1254	-.2209	-.0001	.0005	-.0116
2960	.165	1916	-1.01	-.00	100460	.6152	.1306	-.2559	.0005	.0004	-.0044
2961	.166	1935	.07	.00	100437	.7418	.1267	-.2191	-.0001	-.0006	-.0165
2962	.166	1932	1.99	-.00	100440	.8725	.1190	-.1855	.0009	.0003	-.0033
2963	.165	1916	3.93	-.00	100453	1.0155	.1073	-.1534	.0030	-.0009	-.0027
2964	.164	1896	5.93	-.00	100470	1.1690	.1005	-.1203	.0005	-.0002	-.0021
2965	.165	1912	7.96	-.00	100450	1.2592	.0979	-.0779	-.0014	-.0004	-.0020
2966	.164	1892	10.05	-.00	100463	1.3647	.0962	-.0340	.0001	-.0000	-.0015
2967	.167	1952	12.15	-.00	100396	1.4410	.1008	.0157	-.0006	.0003	-.0041
2968	.166	1932	14.23	-.00	100413	1.5312	.1012	.0730	-.0014	.0007	-.0053
2969	.166	1942	16.22	-.00	100396	1.6066	.1211	.0768	-.0021	-.0000	-.0011
2970	.165	1906	18.21	-.00	100429	1.7700	.1266	.1111	.0003	.0002	-.0017
2971	.165	1922	20.22	-.00	100406	1.8683	.1217	.1598	.0009	.0004	-.0011
2972	.165	1906	21.72	-.00	100416	1.9581	.1173	.1993	.0005	.0007	-.0038
2973	.166	1945	.05	-.00	100376	.7449	.1267	-.2187	.0003	-.0003	-.0027

TEST	995	RUN 176									
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
2959	.0508	0.0000	.9716	40.3853	0.0000	0.0000	0.0000	.0259	.0098		
2960	-1.0089	0.0000	.9728	40.3815	0.0000	0.0000	0.0000	.0249	.0099		
2961	.0745	0.0000	.9716	40.3853	0.0000	0.0000	0.0000	.0258	.0098		
2962	1.9906	0.0000	.9719	40.3843	0.0000	0.0000	0.0000	.0256	.0098		
2963	3.9262	0.0000	.9717	40.3850	0.0000	0.0000	0.0000	.0259	.0097		
2964	5.9266	0.0000	.9720	40.3839	0.0000	0.0000	0.0000	.0258	.0097		
2965	7.9635	0.0000	.9738	40.3847	0.0000	0.0000	0.0000	.0257	.0099		
2966	10.0485	0.0000	.9706	40.3882	0.0000	0.0000	0.0000	.0269	.0103		
2967	12.1476	0.0000	.9682	40.3955	0.0000	0.0000	0.0000	.0280	.0106		
2968	14.2347	0.0000	.9690	40.3930	0.0000	0.0000	0.0000	.0273	.0111		
2969	16.2151	0.0000	.9687	40.3938	0.0000	0.0000	0.0000	.0272	.0104		
2970	18.2113	0.0000	.9668	40.3996	0.0000	0.0000	0.0000	.0291	.0109		
2971	20.2176	0.0000	.9649	40.4052	0.0000	0.0000	0.0000	.0301	.0114		
2972	21.7172	0.0000	.9648	40.4055	0.0000	0.0000	0.0000	.0301	.0119		
2973	.0541	0.0000	.9749	40.3754	0.0000	0.0000	0.0000	.0227	.0099		

TEST	995	RUN 176									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
2959	.0508	.7369	.1261	-.2209	.7369	.0983	-.2209	.7369	.1162	-.2209	1.0000
2960	-1.0089	.6190	.1113	-.2559	.6190	.0765	-.2559	.6190	.1014	-.2559	1.0000
2961	.0745	.7416	.1277	-.2191	.7416	.0920	-.2191	.7416	.1178	-.2191	1.0000
2962	1.9906	.8679	.1492	-.1855	.8679	.1139	-.1855	.8679	.1395	-.1855	1.0000
2963	3.9262	1.0058	.1765	-.1534	1.0058	.1409	-.1534	1.0058	.1668	-.1534	1.0000
2964	5.9266	1.1524	.2207	-.1203	1.1524	.1852	-.1203	1.1524	.2110	-.1203	1.0000
2965	7.9635	1.2335	.2714	-.0779	1.2335	.2358	-.0779	1.2335	.2615	-.0779	1.0000
2966	10.0485	1.3270	.3328	-.0340	1.3270	.2956	-.0340	1.3270	.3225	-.0340	1.0000
2967	12.1476	1.3875	.4017	.0157	1.3875	.3631	.0157	1.3875	.3911	.0157	1.0000
2968	14.2347	1.4593	.4746	.0730	1.4593	.4362	.0730	1.4593	.4636	.0730	1.0000
2969	16.2151	1.5089	.5649	.0768	1.5089	.5274	.0768	1.5089	.5545	.0768	1.0000
2970	18.2113	1.6418	.6734	.1111	1.6418	.6335	.1111	1.6418	.6625	.1111	1.0000
2971	20.2176	1.7112	.7598	.1598	1.7112	.7184	.1598	1.7112	.7485	.1598	1.0000
2972	21.7172	1.7757	.8336	.1993	1.7757	.7915	.1993	1.7757	.8217	.1993	1.0000
2973	.0541	.7448	.1274	-.2187	.7448	.0949	-.2187	.7448	.1176	-.2187	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		177					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P, INF N/(MXM)	CNF	CAF	CPM	CRM,8	CYM,8	CSF
2974	.166	1939	.07	-.00	100382	.7485	.1280	-.2209	.0003	-.0001	-.0050
2975	.166	1942	.06	-.00	100393	.7449	.1237	-.2198	.0006	-.0003	-.0006
2976	.167	1965	.10	-.00	100386	1.7620	-1.2897	-.9344	.0025	.0021	-.0087
2977	.165	1912	-1.78	-.00	100423	1.6414	-1.2868	-.9748	.0033	.0024	-.0098
2978	.167	1949	.13	-.00	100386	1.7587	-1.2688	-.9269	.0031	.0022	-.0056
2980	.166	1942	2.02	-.00	100393	1.9024	-1.3053	-.9072	.0030	.0020	-.0084
2981	.166	1945	4.01	-.00	100389	2.0544	-1.3196	-.8784	.0058	.0015	-.0102
2982	.167	1958	6.01	-.00	100376	2.2153	-1.3290	-.8383	.0028	.0017	-.0093
2983	.166	1945	8.00	.00	100386	2.3269	-1.3446	-.7975	.0015	.0016	-.0112
2984	.166	1929	10.10	-.00	100399	2.4453	-1.3652	-.7701	.0030	.0021	-.0102
2985	.166	1925	12.23	-.00	100403	2.5453	-1.3366	-.7137	.0024	.0023	-.0130
2986	.166	1935	14.29	-.00	100392	2.6501	-1.3310	-.6613	.0015	.0025	-.0119
2987	.166	1942	16.28	-.00	100379	2.7715	-1.3328	-.6164	.0000	.0026	-.0109
2988	.165	1922	18.27	-.00	100399	3.0212	-1.3380	-.6546	.0001	.0018	-.0062
2989	.166	1942	20.27	-.00	100372	3.1406	-1.3323	-.5848	.0012	.0018	-.0033
2990	.166	1945	21.74	-.00	100369	3.2422	-1.3361	-.5440	.0016	.0023	-.0010
2991	.166	1935	.11	-.00	100392	1.7816	-1.3165	-.9465	.0038	.0020	-.0104
2992	.165	1919	.06	-.00	100409	.7371	.0965	-.2252	.0018	-.0001	-.0015

TEST		995		RUN		177					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA, T DEG	CT	CMU, N	CMU, J	CD, N	CD, C		
2974	.0688	0.0000	.9751	40.3747	0.0000	0.0000	0.0000	.0226	.0099		
2975	.0632	0.0000	.9753	40.3740	0.0000	0.0000	0.0000	.0223	.0098		
2976	.0995	28.5573	2.8608	34.7177	1.7076	1.7341	0.0000	-1.6633	.0115		
2977	-1.7795	27.7629	2.8103	34.8692	1.6955	1.7218	0.0000	-1.6627	.0117		
2978	.1267	27.7648	2.8175	34.8474	1.6669	1.6927	0.0000	-1.6384	.0114		
2980	2.0151	28.4751	2.8393	34.7820	1.7244	1.7511	0.0000	-1.6628	.0112		
2981	4.0092	28.2245	2.8408	34.7776	1.7086	1.7351	0.0000	-1.6582	.0111		
2982	6.0086	28.1597	2.8469	34.7594	1.6958	1.7221	0.0000	-1.6472	.0116		
2983	8.0000	28.1842	2.8501	34.7497	1.7104	1.7370	0.0000	-1.6543	.0127		
2984	10.0984	28.3054	2.8703	34.6892	1.7395	1.7665	0.0000	-1.6771	.0139		
2985	12.2289	27.9624	2.8351	34.7946	1.7131	1.7397	0.0000	-1.6364	.0152		
2986	14.2868	28.6042	2.8334	34.7998	1.7437	1.7707	0.0000	-1.6127	.0170		
2987	16.2762	28.0634	2.8433	34.7702	1.7082	1.7347	0.0000	-1.6003	.0190		
2988	18.2741	28.0508	2.8427	34.7718	1.7247	1.7514	0.0000	-1.5993	.0197		
2989	20.2733	28.1819	2.8519	34.7444	1.7175	1.7442	0.0000	-1.5711	.0218		
2990	21.7363	28.1545	2.8541	34.7378	1.7153	1.7419	0.0000	-1.5549	.0230		
2991	.1061	28.1789	2.8583	34.7252	1.7268	1.7528	0.0000	-1.6867	.0111		
2992	.0598	0.0000	.9694	40.3917	0.0000	0.0000	0.0000	.0280	.0094		

TEST		995		RUN		177					
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
2974	.0688	.7483	.1289	-.2209	.7483	.0964	-.2209	.7483	.1190	-.2209	1.0000
2975	.0632	.7447	.1245	-.2198	.7447	.0924	-.2198	.7447	.1147	-.2198	1.0000
2976	.0995	1.7642	-1.2866	-.9344	1.7613	.4095	-.7418	1.7644	-1.3630	-.9418	1.8000
2977	-1.7795	1.6007	-1.3372	-.9748	1.6533	.3458	-.7835	1.5983	-1.4258	-.9834	1.8000
2978	.1267	1.7615	-1.2649	-.9269	1.7578	.3905	-.7389	1.7617	-1.3820	-.9389	1.8000
2980	2.0151	1.9472	-1.2375	-.9072	1.8865	.4745	-.7127	1.9489	-1.2969	-.9127	1.8000
2981	4.0092	2.1416	-1.1727	-.8784	2.0221	.5206	-.6856	2.1461	-1.2476	-.8856	1.8000
2982	6.0086	2.3423	-1.0898	-.8383	2.1647	.5851	-.6469	2.3503	-1.1777	-.8469	1.8000
2983	8.0000	2.4914	-1.0077	-.7975	2.2534	.6735	-.6045	2.5001	-1.0818	-.8045	1.8000
2984	10.0984	2.6468	-.9153	-.7701	2.3418	.7833	-.5739	2.6526	-.9618	-.7739	1.8000
2985	12.2289	2.7707	-.7671	-.7137	2.4078	.8919	-.5205	2.7833	-.8404	-.7204	1.8000
2986	14.2868	2.8966	-.6359	-.6613	2.4663	1.0369	-.4646	2.9037	-.6808	-.6646	1.8000
2987	16.2762	3.0340	-.5026	-.6164	2.5552	1.1181	-.4237	3.0520	-.5833	-.6237	1.8000
2988	18.2741	3.2884	-.3232	-.6546	2.7476	1.2948	-.4601	3.3034	-.3883	-.6600	1.8000
2989	20.2733	3.4076	-.1615	-.5848	2.8125	1.4278	-.3910	3.4267	-.2349	-.5910	1.8000
2990	21.7363	3.5065	-.0404	-.5440	2.8713	1.5299	-.3505	3.5277	-.1166	-.5505	1.8000
2991	.1061	1.7840	-1.3132	-.9465	1.7808	.4817	-.7518	1.7841	-1.3708	-.9518	1.8000
2992	.0598	.7370	.0973	-.2252	.7370	.0599	-.2252	.7370	.0878	-.2252	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 180							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3006	.166	1932	.03	-.00	100413	.3671	-1.6308	-.1999	-.0038	.0031	-.0152
3007	.167	1949	-1.81	-.00	100396	.2231	-1.6206	-.2279	-.0034	.0039	-.0132
3008	.165	1919	.06	-.00	100430	.3733	-1.6466	-.1994	-.0045	.0038	-.0136
3009	.167	1955	1.96	-.00	100389	.5139	-1.6241	-.1673	-.0035	.0039	-.0130
3010	.166	1925	3.87	-.00	100416	.6575	-1.6579	-.1390	-.0033	.0039	-.0103
3011	.165	1909	5.92	-.00	100433	.8132	-1.6953	-.1093	-.0037	.0037	-.0109
3012	.165	1912	7.92	-.00	100429	.9493	-1.7041	-.0787	-.0027	.0036	-.0161
3013	.166	1932	10.02	-.00	100409	1.1176	-1.6933	-.0443	-.0034	.0039	-.0140
3014	.165	1922	12.10	-.00	100416	1.2535	-1.7048	-.0119	-.0031	.0042	-.0161
3015	.166	1925	14.18	-.00	100413	1.3962	-1.7008	.0260	-.0027	.0047	-.0168
3016	.166	1935	16.21	-.00	100403	1.5341	-1.6897	.0588	-.0035	.0047	-.0175
3017	.166	1945	18.21	-.00	100389	1.7464	-1.6712	.0321	-.0050	.0043	-.0153
3018	.167	1962	20.22	-.00	100372	1.9091	-1.6589	.0602	-.0036	.0043	-.0119
3019	.167	1952	21.72	-.00	100379	2.0538	-1.6737	.0875	-.0034	.0041	-.0089
3020	.168	1985	.05	-.00	100335	.3629	-1.5894	-.1961	-.0033	.0039	-.0135

TEST 995			RUN 180						
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
3006	.0290	27.6643	2.8214	6.4501	1.6798	1.7059	0.0000	-1.6564	.0236
3007	-1.8072	27.7091	2.8273	6.4418	1.6703	1.6962	0.0000	-1.6466	.0234
3008	.0618	27.7416	2.8285	6.4401	1.6989	1.7252	0.0000	-1.6746	.0238
3009	1.9580	27.7754	2.8325	6.4346	1.6704	1.6963	0.0000	-1.6454	.0235
3010	3.8687	27.8159	2.8363	6.4291	1.7007	1.7271	0.0000	-1.6719	.0237
3011	5.9179	27.8607	2.8413	6.4222	1.7196	1.7462	0.0000	-1.6860	.0239
3012	7.9191	27.8780	2.8427	6.4202	1.7185	1.7452	0.0000	-1.6773	.0238
3013	10.0179	27.9354	2.8518	6.4086	1.7077	1.7342	0.0000	-1.6576	.0235
3014	12.0966	27.9281	2.8484	6.4123	1.7158	1.7424	0.0000	-1.6521	.0236
3015	14.1844	27.8791	2.8416	6.4217	1.7075	1.7340	0.0000	-1.6293	.0234
3016	16.2088	27.8613	2.8373	6.4278	1.6988	1.7252	0.0000	-1.6015	.0233
3017	18.2120	27.8265	2.8367	6.4286	1.6874	1.7136	0.0000	-1.5755	.0240
3018	20.2200	27.7976	2.8345	6.4317	1.6716	1.6976	0.0000	-1.5412	.0251
3019	21.7228	27.8332	2.8332	6.4336	1.6822	1.7083	0.0000	-1.5325	.0264
3020	.0478	27.7403	2.8317	6.4356	1.6491	1.6747	0.0000	-1.6202	.0233

TEST 995				RUN 180							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3006	.0290	.3680	-1.6306	-.1999	.3671	.0256	-.0184	.3688	-1.7469	-.2184	1.8000
3007	-1.8072	.1719	-1.6268	-.2279	.2246	.0192	-.0395	.1687	-1.7524	-.2395	1.8000
3008	.0618	.3751	-1.6462	-.1994	.3733	.0289	-.0078	.3752	-1.7436	-.2077	1.8000
3009	1.9580	.5691	-1.6056	-.1673	.5128	.0483	.0212	.5726	-1.7311	-.1788	1.8000
3010	3.8687	.7679	-1.6097	-.1390	.6531	.0634	.0529	.7727	-1.7051	-.1471	1.8000
3011	5.9179	.9837	-1.6024	-.1093	.8064	.0841	.0847	.9891	-1.6790	-.1153	1.8000
3012	7.9191	1.1751	-1.5571	-.0787	.9383	.1213	.1152	1.1825	-1.6343	-.0848	1.8000
3013	10.0179	1.3951	-1.4731	-.0443	1.0980	.1850	.1484	1.4064	-1.5604	-.0516	1.8000
3014	12.0966	1.5829	-1.4043	-.0119	1.2234	.2498	.1816	1.5948	-1.4833	-.0183	1.8000
3015	14.1844	1.7704	-1.3068	.0260	1.3520	.3253	.2186	1.7864	-1.3932	.0186	1.8000
3016	16.2088	1.9448	-1.1944	.0588	1.4706	.4136	.2505	1.9653	-1.2884	.0505	1.8000
3017	18.2120	2.1812	-1.0416	.0321	1.6539	.5373	.2225	2.2078	-1.1464	.0225	1.8000
3018	20.2200	2.3648	-.8969	.0602	1.7870	.6467	.2488	2.3997	-1.0166	.0488	1.8000
3019	21.7228	2.5274	-.7947	.0875	1.9848	.7416	.2773	2.5688	-.9050	.0773	1.8000
3020	.0478	.3642	-1.5898	-.1961	.3628	.0368	-.0101	.3643	-1.7357	-.2100	1.8000

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		181					
POINT	MACH	Q N/(HXM)	ALPHA DEG	BETA DEG	P,INF N/(HXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3022	.166	1932	.06	-.00	100392	.3166	-1.4381	-.1547	-.0033	.0035	-.0106
3023	.166	1939	-1.87	-.00	100389	.1717	-1.4289	-.1847	-.0040	.0020	-.0275
3024	.166	1945	.04	-.00	100382	.3167	-1.4198	-.1544	-.0033	.0034	-.0095
3025	.166	1932	1.95	-.00	100389	.4566	-1.4312	-.1239	-.0036	.0034	-.0100
3026	.167	1949	3.91	-.00	100372	.6020	-1.4273	-.0916	-.0033	.0034	-.0093
3027	.165	1922	5.92	-.00	100406	.7536	-1.4601	-.0616	-.0037	.0032	-.0111
3028	.166	1925	7.93	-.00	100403	.9022	-1.4665	-.0239	-.0034	.0028	-.0102
3029	.165	1916	10.01	-.00	100419	1.0553	-1.4770	.0071	-.0037	.0034	-.0155
3030	.167	1955	12.13	-.00	100383	1.1889	-1.4494	.0435	-.0037	.0038	-.0113
3031	.165	1919	14.18	-.00	100423	1.3325	-1.4774	.0781	-.0024	.0044	-.0045
3032	.166	1945	16.19	-.00	100396	1.4660	-1.4575	.1176	-.0541	.0041	-.0129
3033	.166	1929	18.19	-.00	100420	1.6714	-1.4606	.0877	-.0042	.0039	-.0102
3034	.165	1919	20.19	-.00	100436	1.8438	-1.4729	.1184	-.0042	.0039	-.0087
3035	.166	1932	21.63	-.00	100433	1.9576	-1.4713	.1434	-.0039	.0040	-.0066
3036	.169	2005	.04	-.00	100356	.3060	-1.3622	-.1515	-.0033	.0030	-.0083
3037	.166	1932	.02	-.00	100443	.1934	.0377	-.0447	-.0007	-.0003	-.0013

TEST		995		RUN		181					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3022	.0616	25.4921	2.6014	6.7580	1.5816	1.5249	0.0000	-1.4561	.0219		
3023	-1.8702	25.4336	2.5981	6.7626	1.4907	1.5139	0.0000	-1.4473	.0218		
3024	.0408	25.4138	2.5925	6.7704	1.4844	1.5074	0.0000	-1.4380	.0217		
3025	1.9480	25.3716	2.5920	6.7713	1.4918	1.5149	0.0000	-1.4466	.0217		
3026	3.9078	25.3647	2.5896	6.7746	1.4776	1.5006	0.0000	-1.4294	.0215		
3027	5.9246	25.3623	2.5860	6.7796	1.4973	1.5205	0.0000	-1.4419	.0217		
3028	7.9334	25.3286	2.5852	6.7807	1.4922	1.5154	0.0000	-1.4325	.0215		
3029	10.0091	25.3198	2.5835	6.7831	1.4995	1.5227	0.0000	-1.4305	.0214		
3030	12.1286	25.3083	2.5832	6.7835	1.4676	1.4903	0.0000	-1.3906	.0214		
3031	14.1766	25.3120	2.5828	6.7841	1.4959	1.5191	0.0000	-1.4053	.0217		
3032	16.1914	25.3351	2.5827	6.7842	1.4776	1.5005	0.0000	-1.3726	.0218		
3033	18.1873	25.3067	2.5808	6.7869	1.4878	1.5101	0.0000	-1.3682	.0226		
3034	20.1860	25.2894	2.5758	6.7939	1.4920	1.5152	0.0000	-1.3546	.0239		
3035	21.6309	25.3017	2.5759	6.7938	1.4832	1.5062	0.0000	-1.3324	.0248		
3036	.0382	25.2525	2.5737	6.7969	1.4261	1.4482	0.0000	-1.3785	.0214		
3037	.0220	0.0000	.9849	9.0212	0.0000	0.0000	0.0000	.0138	.0075		

TEST		995		RUN		181					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3022	.0616	.3182	-1.4378	-.1547	.3166	.0420	.0147	.3181	-1.4351	-.1519	1.5000
3023	-1.8702	.1250	-1.4338	-.1847	.1736	.0344	-.0165	.1254	-1.4419	-.1831	1.5000
3024	.0408	.3177	-1.4196	-.1544	.3167	.0430	.0130	.3177	-1.4341	-.1536	1.5000
3025	1.9480	.5050	-1.4149	-.1239	.4543	.0543	.0444	.5045	-1.4219	-.1223	1.5000
3026	3.9078	.6979	-1.3830	-.0916	.5972	.0697	.0752	.6979	-1.4039	-.0915	1.5000
3027	5.9246	.9002	-1.3745	-.0616	.7457	.0931	.1073	.8982	-1.3761	-.0593	1.5000
3028	7.9334	1.0959	-1.3279	-.0239	.8900	.1205	.1445	1.0938	-1.3345	-.0222	1.5000
3029	10.0091	1.2960	-1.2711	.0071	1.0354	.1842	.1763	1.2921	-1.2704	.0096	1.5000
3030	12.1286	1.4669	-1.1672	.0435	1.1586	.2462	.2090	1.4609	-1.1979	.0424	1.5000
3031	14.1766	1.6538	-1.1060	.0781	1.2874	.3226	.2469	1.6492	-1.1095	.0803	1.5000
3032	16.1914	1.8143	-.9909	.1146	1.4023	.4063	.2813	1.8142	-1.0122	.1146	1.5000
3033	18.1873	2.0438	-.8659	.0877	1.5796	.5242	.2555	2.0407	-.8791	.0888	1.5000
3034	20.1860	2.2388	-.7462	.1184	1.7239	.6303	.2867	2.2336	-.7560	.1201	1.5000
3035	21.6309	2.3621	-.6458	.1434	1.8153	.7879	.3107	2.3598	-.6651	.1441	1.5000
3036	.0382	.3069	-1.3620	-.1515	.3060	.0427	.0094	.3070	-1.4344	-.1573	1.5000
3037	.0220	.1934	.0378	-.0447	.1934	.0166	-.0447	.1934	.0303	-.0447	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	182				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
3038	.166	1939	.02	-.00	100437	.1975	.0371	-.0445	-.0005	-.0002	-.0025
3039	.165	1922	-1.86	-.00	100453	.0638	.0410	-.0783	-.0007	-.0001	-.0030
3040	.166	1949	.04	-.00	100430	.2001	.0405	-.0422	-.0009	-.0002	-.0023
3041	.166	1935	1.94	-.00	100440	.3273	.0349	-.0095	-.0004	-.0001	-.0007
3042	.166	1945	3.90	-.00	100430	.4581	.0267	.0271	-.0013	-.0002	-.0009
3043	.166	1932	5.90	-.00	100443	.5993	.0150	.0649	-.0007	-.0005	-.0016
3044	.165	1925	7.87	-.00	100450	.7328	.0872	.1027	-.0001	-.0002	-.0007
3045	.166	1932	9.95	-.00	100443	.8653	-.0012	.1405	-.0005	-.0000	-.0012
3046	.165	1922	12.08	-.00	100453	.9871	-.0044	.1809	-.0013	.0002	-.0028
3047	.167	1958	14.16	-.00	100413	1.0901	-.0045	.2317	-.0006	.0007	-.0034
3048	.166	1929	16.16	-.00	100440	1.2036	-.0032	.2773	-.0006	.0010	-.0067
3049	.165	1906	18.17	-.00	100463	1.3165	.0176	.2852	-.0004	.0001	.0009
3050	.165	1922	20.18	-.00	100450	1.4618	.0132	.3218	-.0006	.0001	.0015
3051	.165	1916	21.57	-.00	100460	1.5712	.0076	.3541	-.0003	.0005	.0060
3052	.166	1939	.04	-.00	100443	.1987	.0530	-.0417	.0003	.0001	-.0039

TEST	995					RUN	182				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3038	.0200	0.0000	.9849	9.0212	0.0000	0.0000	0.0000	.0137	.0075		
3039	-1.8640	0.0000	.9852	9.0207	0.0000	0.0000	0.0000	.0135	.0076		
3040	.0366	0.0000	.9846	9.0215	0.0000	0.0000	0.0000	.0139	.0076		
3041	1.9380	0.0000	.9847	9.0214	0.0000	0.0000	0.0000	.0138	.0076		
3042	3.9003	0.0000	.9839	9.0225	0.0000	0.0000	0.0000	.0145	.0076		
3043	5.8978	0.0000	.9836	9.0230	0.0000	0.0000	0.0000	.0148	.0077		
3044	7.8687	0.0000	.9842	9.0222	0.0000	0.0000	0.0000	.0143	.0076		
3045	9.9509	0.0000	.9831	9.0236	0.0000	0.0000	0.0000	.0151	.0076		
3046	12.0777	0.0000	.9825	9.0244	0.0000	0.0000	0.0000	.0156	.0081		
3047	14.1635	0.0000	.9810	9.0266	0.0000	0.0000	0.0000	.0165	.0080		
3048	16.1608	0.0000	.9799	9.0282	0.0000	0.0000	0.0000	.0176	.0077		
3049	18.1664	0.0000	.9735	9.0371	0.0000	0.0000	0.0000	.0232	.0089		
3050	20.1780	0.0000	.9713	9.0401	0.0000	0.0000	0.0000	.0246	.0092		
3051	21.5749	0.0000	.9717	9.0396	0.0000	0.0000	0.0000	.0242	.0093		
3052	.0387	0.0000	.9854	9.0204	0.0000	0.0000	0.0000	.0132	.0076		

TEST	995					RUN	182				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3038	.0200	.1974	.0371	-.0445	.1974	.0159	-.0445	.1974	.0296	-.0445	1.0000
3039	-1.8640	.0621	.0390	-.0783	.0621	.0179	-.0783	.0621	.0314	-.0783	1.0000
3040	.0366	.2001	.0407	-.0422	.2001	.0192	-.0422	.2001	.0330	-.0422	1.0000
3041	1.9380	.3259	.0459	-.0095	.3259	.0245	-.0095	.3259	.0383	-.0095	1.0000
3042	3.9003	.4552	.0578	.0271	.4552	.0357	.0271	.4552	.0502	.0271	1.0000
3043	5.8978	.5946	.0765	.0649	.5946	.0539	.0649	.5946	.0688	.0649	1.0000
3044	7.8687	.7249	.1074	.1027	.7249	.0856	.1027	.7249	.0999	.1027	1.0000
3045	9.9509	.8525	.1483	.1405	.8525	.1256	.1405	.8525	.1407	.1405	1.0000
3046	12.0777	.9662	.2022	.1809	.9662	.1785	.1809	.9662	.1941	.1809	1.0000
3047	14.1635	1.0581	.2624	.2317	1.0581	.2379	.2317	1.0581	.2544	.2317	1.0000
3048	16.1608	1.1569	.3319	.2773	1.1569	.3066	.2773	1.1569	.3242	.2773	1.0000
3049	18.1664	1.2454	.4272	.2852	1.2454	.3950	.2852	1.2454	.4182	.2852	1.0000
3050	20.1780	1.3675	.5166	.3218	1.3675	.4828	.3218	1.3675	.5074	.3218	1.0000
3051	21.5749	1.4583	.5848	.3541	1.4583	.5513	.3541	1.4583	.5755	.3541	1.0000
3052	.0387	.1987	.0532	-.0417	.1987	.0324	-.0417	.1987	.0456	-.0417	1.0000

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TEST		995		RUN		183					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
3066	.166	1939	.01	.00	100403	.1422	.0381	-.0342	-.0033	-.0014	-.0212
3067	.166	1945	-1.86	.00	100406	.8037	.0427	-.0997	-.0031	-.0017	-.0227
3068	.166	1939	.04	.00	100406	.1433	.0393	-.0331	-.0026	-.0015	-.0204
3069	.166	1932	1.95	-.00	100409	.2801	.0346	.0371	-.0016	-.0012	-.0209
3070	.166	1942	3.90	-.00	100406	.4242	.0255	.1136	-.0019	-.0013	-.0197
3071	.166	1925	5.89	-.00	100423	.5707	.0116	.1983	-.0016	-.0010	-.0073
3072	.165	1919	7.93	.00	100430	.7311	-.0004	.2682	-.0007	-.0022	-.0197
3073	.165	1912	10.00	-.00	100436	.8958	-.0124	.3429	-.0021	-.0024	-.0183
3074	.165	1906	12.11	-.00	100443	1.0509	-.0211	.4245	-.0017	-.0017	-.0206
3075	.166	1942	14.21	.00	100406	1.2101	-.0275	.4990	-.0014	-.0014	-.0214
3076	.165	1912	16.22	-.00	100443	1.3491	-.0339	.5657	-.0032	-.0014	-.0211
3077	.165	1909	18.21	-.00	100446	1.4956	-.0417	.6437	-.0028	-.0014	-.0172
3078	.167	1965	20.22	-.00	100400	1.6291	-.0487	.7222	-.0009	-.0013	-.0187
3079	.164	1892	21.70	-.00	100463	1.7383	-.0561	.7866	-.0012	-.0010	-.0195
3080	.167	1965	.02	.00	100406	.1411	.0382	-.0358	-.0010	-.0014	-.0218

TEST		995		RUN		183			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C
3066	.0104	0.0000	.9824	4.4683	0.0000	0.0000	0.0000	.0170	.0074
3067	-1.8575	0.0000	.9837	4.4706	0.0000	0.0000	0.0000	.0157	.0074
3068	.0360	0.0000	.9842	4.4715	0.0000	0.0000	0.0000	.0153	.0074
3069	1.9506	0.0000	.9840	4.4713	0.0000	0.0000	0.0000	.0155	.0074
3070	3.9017	0.0000	.9850	4.4729	0.0000	0.0000	0.0000	.0145	.0074
3071	5.8878	0.0000	.9860	4.4748	0.0000	0.0000	0.0000	.0135	.0075
3072	7.9330	0.0000	.9861	4.4750	0.0000	0.0000	0.0000	.0134	.0073
3073	10.0016	0.0000	.9866	4.4759	0.0000	0.0000	0.0000	.0129	.0073
3074	12.1107	0.0000	.9870	4.4767	0.0000	0.0000	0.0000	.0124	.0075
3075	14.2107	0.0000	.9866	4.4758	0.0000	0.0000	0.0000	.0125	.0077
3076	16.2204	0.0000	.9862	4.4752	0.0000	0.0000	0.0000	.0129	.0074
3077	18.2089	0.0000	.9866	4.4759	0.0000	0.0000	0.0000	.0125	.0079
3078	20.2180	0.0000	.9857	4.4742	0.0000	0.0000	0.0000	.0128	.0077
3079	21.7044	0.0000	.9859	4.4746	0.0000	0.0000	0.0000	.0130	.0078
3080	.0219	0.0000	.9885	4.4794	0.0000	0.0000	0.0000	.0109	.0070

TEST		995		RUN		183					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
3066	.0104	.1422	.0381	-.0342	.1422	.0137	-.0342	.1422	.0307	-.0342	1.0000
3067	-1.8575	.0051	.0426	-.0997	.0051	.0195	-.0997	.0051	.0352	-.0997	1.0000
3068	.0360	.1433	.0393	-.0331	.1433	.0167	-.0331	.1433	.0320	-.0331	1.0000
3069	1.9506	.2788	.0441	.0371	.2788	.0212	.0371	.2788	.0367	.0371	1.0000
3070	3.9017	.4214	.0543	.1136	.4214	.0325	.1136	.4214	.0469	.1136	1.0000
3071	5.8878	.5665	.0701	.1903	.5665	.0491	.1903	.5665	.0627	.1903	1.0000
3072	7.9330	.7241	.1005	.2682	.7241	.0798	.2682	.7241	.0932	.2682	1.0000
3073	10.0016	.8844	.1433	.3429	.8844	.1231	.3429	.8844	.1360	.3429	1.0000
3074	12.1107	1.0319	.1999	.4245	1.0319	.1800	.4245	1.0319	.1924	.4245	1.0000
3075	14.2107	1.1798	.2704	.4990	1.1798	.2502	.4990	1.1798	.2628	.4990	1.0000
3076	16.2204	1.3049	.3443	.5657	1.3049	.3239	.5657	1.3049	.3365	.5657	1.0000
3077	18.2089	1.4337	.4277	.6437	1.4337	.4075	.6437	1.4337	.4198	.6437	1.0000
3078	20.2180	1.5455	.5173	.7222	1.5455	.4967	.7222	1.5455	.5096	.7222	1.0000
3079	21.7044	1.6358	.5908	.7866	1.6358	.5700	.7866	1.6358	.5830	.7866	1.0000
3080	.0219	.1411	.0382	-.0358	.1411	.0203	-.0358	.1411	.0313	-.0358	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	184				
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPM	CRM,B	CYN,B	CSF
3082	.166	1932	.02	.00	100423	.1449	.0358	-.0340	-.0011	-.0012	-.0244
3083	.166	1942	.01	.00	100420	.1350	.0351	-.0323	-.0016	-.0014	-.0218
3084	.165	1912	.03	-.00	100433	.4013	-1.7659	-.2523	-.0039	.0017	-.0188
3085	.168	1995	-1.85	-.00	100407	.2363	-1.7085	-.3095	-.0049	.0014	-.0223
3086	.167	1968	.07	.00	100430	.3899	-1.7004	-.2429	-.0038	.0008	-.0266
3087	.168	1975	1.98	-.00	100430	.5331	-1.7060	-.1787	-.0035	.0016	-.0175
3088	.168	1985	3.94	-.00	100457	.6969	-1.7191	-.1045	-.0037	.0009	-.0255
3089	.170	2021	5.94	-.00	100421	.8383	-1.7064	-.0353	-.0043	.0011	-.0181
3090	.168	1985	7.97	-.00	100410	1.0271	-1.7579	.0338	-.0033	.0001	-.0159
3091	.168	1985	10.04	-.00	100427	1.2078	-1.7737	.0948	-.0046	.0003	-.0133
3092	.167	1972	12.15	-.00	100423	1.3915	-1.8037	.1690	-.0045	.0007	-.0155
3093	.168	1995	14.23	-.00	100417	1.5481	-1.7929	.2397	-.0040	.0017	-.0197
3094	.167	1955	16.24	-.00	100423	1.7310	-1.7817	.3077	-.0029	.0019	-.0208
3095	.168	1985	18.23	-.00	100410	1.8839	-1.7442	.3719	-.0027	.0018	-.0203
3096	.167	1949	20.23	-.00	100413	2.0955	-1.7791	.4514	-.0026	.0022	-.0224
3097	.166	1939	21.71	-.00	100423	2.2275	-1.7970	.5995	-.0023	.0020	-.0216
3098	.165	1909	.04	-.00	100446	.3959	-1.7707	-.2530	-.0026	.0020	-.0228

TEST	995					RUN	184			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CO,N	CO,C	
3082	.0176	.9586	.9884	4.4792	0.0000	0.0000	0.0000	.0112	.0069	
3083	.0124	0.0000	.9894	4.4808	0.0000	0.0000	0.0000	.0103	.0068	
3084	.0294	29.5875	2.8914	7.9045	1.8102	1.8305	0.0000	-1.8519	.0364	
3085	-1.8477	29.7748	2.9049	7.9287	1.7494	1.7690	0.0000	-1.7864	.0351	
3086	.0712	29.3713	2.8667	7.8600	1.7406	1.7602	0.0000	-1.7755	.0351	
3087	1.9816	29.4422	2.8738	7.8728	1.7430	1.7626	0.0000	-1.7752	.0349	
3088	3.9390	29.5286	2.8875	7.8975	1.7446	1.7642	0.0000	-1.7766	.0349	
3089	5.9449	29.6391	2.8930	7.9073	1.7222	1.7416	0.0000	-1.7438	.0347	
3090	7.9710	29.7571	2.9038	7.9268	1.7655	1.7853	0.0000	-1.7780	.0354	
3091	10.0400	29.8007	2.9076	7.9336	1.7699	1.7898	0.0000	-1.7717	.0357	
3092	12.1504	29.8982	2.9185	7.9533	1.7912	1.8113	0.0000	-1.7807	.0371	
3093	14.2302	29.9684	2.9225	7.9604	1.7771	1.7971	0.0000	-1.7487	.0374	
3094	16.2395	29.3130	2.8590	7.8462	1.7591	1.7789	0.0000	-1.7089	.0366	
3095	18.2348	29.0962	2.8381	7.8886	1.7159	1.7352	0.0000	-1.6463	.0361	
3096	20.2327	29.0646	2.8368	7.8063	1.7466	1.7662	0.0000	-1.6557	.0390	
3097	21.7108	29.0968	2.8412	7.8142	1.7583	1.7780	0.0000	-1.6518	.0400	
3098	.0383	29.4479	2.8712	7.8682	1.8185	1.8389	0.0000	-1.8355	.0362	

TEST	995					RUN	184				
POINT	ALPHA DEG	CL	CO	CM	CL,EQ	CO,EQ	CM,EQ	CL,NOM	CO,NOM	CM,NOM	CMU,NOM
3082	.0176	.1449	.0359	-.0340	.1449	.0178	-.0340	.1449	.0290	-.0340	1.0000
3083	.0124	.1350	.0351	-.0323	.1350	.0181	-.0323	.1350	.0283	-.0323	1.0000
3084	.0294	.4022	-1.7657	-.2523	.4012	.0080	-.0480	.4022	-1.7720	-.2489	1.8000
3085	-1.8477	.1811	-1.7152	-.3095	.2375	-.0018	-.1122	.1801	-1.7809	-.3130	1.8000
3086	.0712	.3920	-1.6999	-.2429	.3898	.0056	-.0466	.3920	-1.7744	-.2474	1.8000
3087	1.9816	.5918	-1.6865	-.1787	.5315	.0206	.0180	.5931	-1.7584	-.1828	1.8000
3088	3.9390	.8133	-1.6672	-.1845	.6935	.0384	.0923	.8158	-1.7373	-.1885	1.8000
3089	5.9449	1.0105	-1.6104	-.0393	.8321	.0679	.1590	1.0165	-1.7026	-.0418	1.8000
3090	7.9710	1.2610	-1.5985	.0338	1.0162	.1145	.2329	1.2630	-1.6483	.0321	1.8000
3091	10.0400	1.4985	-1.5360	.0948	1.1980	.1711	.2944	1.5003	-1.5817	.0936	1.8000
3092	12.1504	1.7400	-1.4705	.1690	1.3630	.2435	.3711	1.7376	-1.4966	.1703	1.8000
3093	14.2302	1.9413	-1.3574	.2397	1.5044	.3278	.4402	1.9420	-1.3975	.2394	1.8000
3094	16.2395	2.1602	-1.2266	.3077	1.6682	.4257	.5061	2.1660	-1.2833	.3053	1.8000
3095	18.2348	2.3351	-1.0671	.3719	1.7982	.5265	.5655	2.3551	-1.1641	.3647	1.8000
3096	20.2327	2.5815	-.9446	.4514	1.9774	.6553	.6845	2.5930	-1.0149	.4476	1.8000
3097	21.7108	2.7342	-.8455	.4995	2.0838	.7480	.6978	2.7423	-.9058	.4970	1.8000
3098	.0383	.3971	-1.7704	-.2530	.3959	.0118	-.0478	.3970	-1.7682	-.2487	1.8000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	R N/(MXM)	ALPHA DEG	BETA DEG	R N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3100	.400	10270	.05	-.00	91589	.1532	.0285	-.0345	-.0013	.0000	-.0032
3101	.400	10282	-1.90	-.00	91593	.0006	.0305	-.1042	-.0017	-.0004	-.0024
3102	.401	10304	.07	-.00	91592	.1527	.0286	-.0345	-.0015	-.0000	-.0024
3103	.400	10270	2.06	-.00	91565	.3053	.0229	.0407	-.0014	-.0000	-.0032
3104	.399	10199	4.09	-.00	91663	.4657	.0150	.1215	-.0014	-.0000	-.0025
3105	.400	10276	6.20	-.00	91565	.6306	.0042	.2043	-.0013	-.0006	-.0010
3106	.399	10224	8.29	-.00	91616	.7969	-.0054	.2839	-.0006	-.0008	.0002
3107	.400	10273	10.47	-.00	91562	.9699	-.0141	.3649	-.0006	-.0005	-.0010
3108	.402	10359	12.66	-.00	91519	1.1305	-.0164	.4490	-.0003	.0001	-.0032
3109	.400	10258	14.82	.00	91589	1.2836	-.0175	.5287	.0005	.0002	-.0056
3110	.401	10304	.06	-.00	91559	.1551	.0301	-.0341	-.0011	.0000	-.0028

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3100	.0518	0.0000	.8748	4.2746	0.0000	0.0000	0.0000	.0208	.0076		
3101	-1.8958	0.0000	.8756	4.2761	0.0000	0.0000	0.0000	.0206	.0075		
3102	.0749	0.0000	.8723	4.2781	0.0000	0.0000	0.0000	.0212	.0076		
3103	2.0630	0.0000	.8724	4.2703	0.0000	0.0000	0.0000	.0212	.0076		
3104	4.0922	0.0000	.8710	4.2679	0.0000	0.0000	0.0000	.0216	.0076		
3105	6.1985	0.0000	.8681	4.2625	0.0000	0.0000	0.0000	.0218	.0077		
3106	8.2875	0.0000	.8676	4.2617	0.0000	0.0000	0.0000	.0219	.0076		
3107	10.4664	0.0000	.8688	4.2639	0.0000	0.0000	0.0000	.0214	.0077		
3108	12.6650	0.0000	.8672	4.2610	0.0000	0.0000	0.0000	.0213	.0079		
3109	14.8233	0.0000	.8629	4.2533	0.0000	0.0000	0.0000	.0221	.0080		
3110	.0643	0.0000	.8524	4.2343	0.0000	0.0000	0.0000	.0245	.0076		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3100	.0518	.1532	.0286	-.0345	.1532	.0002	-.0345	.1532	.0210	-.0345	1.0000
3101	-1.8958	.0016	.0304	-.1042	.0016	.0023	-.1042	.0016	.0229	-.1042	1.0000
3102	.0749	.1527	.0288	-.0345	.1527	.0001	-.0345	.1527	.0212	-.0345	1.0000
3103	2.0630	.3043	.0339	.0407	.3043	.0050	.0407	.3043	.0262	.0407	1.0000
3104	4.0922	.4635	.0402	.1215	.4635	.0190	.1215	.4635	.0406	.1215	1.0000
3105	6.1985	.6265	.0723	.2043	.6265	.0428	.2043	.6265	.0646	.2043	1.0000
3106	8.2875	.7894	.1095	.2839	.7894	.0800	.2839	.7894	.1019	.2839	1.0000
3107	10.4664	.9563	.1623	.3649	.9563	.1332	.3649	.9563	.1546	.3649	1.0000
3108	12.6650	1.1066	.2319	.4490	1.1066	.2026	.4490	1.1066	.2240	.4490	1.0000
3109	14.8233	1.2453	.3115	.5287	1.2453	.2814	.5287	1.2453	.3034	.5287	1.0000
3110	.0643	.1551	.0302	-.0341	.1551	-.0019	-.0341	.1551	.0226	-.0341	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3111	.400	10245	.06	-.00	91606	.1573	.0303	-.0330	-.0016	-.0001	-.0027
3112	.400	10261	.06	-.00	91579	.1544	.0303	-.0328	-.0012	-.0001	-.0023
3113	.401	10310	.07	-.00	91535	.1641	-.3240	-.0640	-.0022	-.0003	-.0011
3114	.401	10313	-1.89	-.00	91549	.0027	-.3247	-.1324	-.0023	.0000	-.0013
3115	.401	10288	.08	-.00	91545	.1627	-.3295	-.0632	-.0018	.0003	-.0007
3116	.401	10310	2.09	-.00	91529	.3210	-.3349	.0093	-.0018	.0003	-.0015
3117	.399	10230	4.04	-.00	91629	.4913	-.3312	.0827	-.0028	.0003	-.0033
3118	.397	10122	6.21	-.00	91723	.6725	-.3473	.1673	-.0029	-.0004	-.0000
3119	.397	10107	8.32	-.00	91750	.8537	-.3579	.2429	-.0018	-.0005	.0000
3121	.400	10245	.06	-.00	91585	.1723	-.3158	-.0695	-.0021	.0004	-.0030
3122	.401	10282	.06	-.00	91562	.1548	.0265	-.0344	-.0016	-.0000	-.0022

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3111	.0628	1.4652	.8529	4.2353	0.0000	0.0000	0.0000	.0245	.0076		
3112	.0642	0.0000	.8538	4.2368	0.0000	0.0000	0.0000	.0243	.0076		
3113	.0661	29.8125	3.0478	8.1860	.3484	.3523	0.0000	-.3389	.0154		
3114	-1.8937	29.9328	3.0600	8.2880	.3504	.3543	0.0000	-.3407	.0153		
3115	.0845	30.0260	3.0752	8.2353	.3527	.3567	0.0000	-.3442	.0155		
3116	2.0859	30.1187	3.0823	8.2482	.3538	.3577	0.0000	-.3444	.0157		
3117	4.0442	29.2574	2.9873	8.0771	.3429	.3468	0.0000	-.3310	.0154		
3118	6.2069	29.3679	2.9976	8.0956	.3486	.3525	0.0000	-.3355	.0159		
3119	8.3217	29.3877	2.9994	8.0989	.3493	.3533	0.0000	-.3348	.0166		
3121	.0645	29.0499	2.9680	8.0425	.3398	.3436	0.0000	-.3288	.0150		
3122	.0572	0.0000	.8463	4.2233	0.0000	0.0000	0.0000	.0255	.0076		

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3111	.0628	.1572	.0305	-.0330	.1572	-.0017	-.0330	.1572	.0228	-.0330	.3387
3112	.0642	.1543	.0304	-.0328	.1543	-.0015	-.0328	.1543	.0228	-.0328	.3387
3113	.0661	.1645	-.3238	-.0640	.1641	.0092	-.0247	.1645	-.3257	-.0624	.3387
3114	-1.8937	-.0000	-.3246	-.1324	.0036	.0102	-.0929	-.0075	-.3245	-.1307	.3387
3115	.0845	.1632	-.3292	-.0632	.1627	.0080	-.0234	.1632	-.3269	-.0612	.3387
3116	2.0859	.3329	-.3229	.0893	.3201	.0149	.0492	.3323	-.3198	.0114	.3387
3117	4.0442	.5134	-.2958	.0827	.4892	.0309	.1214	.5128	-.3032	.0836	.3387
3118	6.2069	.7061	-.2726	.1673	.6684	.0580	.2067	.7046	-.2750	.1689	.3387
3119	8.3217	.8965	-.2306	.2429	.8459	.0985	.2823	.8944	-.2329	.2446	.3387
3121	.0645	.1726	-.3156	-.0695	.1723	.0092	-.0312	.1726	-.3257	-.0690	.3387
3122	.0572	.1548	.0267	-.0344	.1548	-.0065	-.0344	.1548	.0191	-.0344	.3387

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		187					
POINT	MACH	O N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3125	.166	1929	.01	-.00	100514	.1496	.0406	-.0224	-.0020	-.0016	-.0102
3126	.166	1942	-1.88	-.00	100498	.0051	.0440	-.0964	-.0023	-.0016	-.0104
3127	.166	1949	.03	.00	100491	.1516	.0414	-.0223	-.0018	-.0014	-.0215
3128	.166	1939	1.95	.00	100494	.2946	.0367	.0538	-.0019	-.0016	-.0218
3129	.166	1935	3.91	-.00	100497	.4417	.0294	.1398	-.0021	-.0015	-.0113
3130	.166	1929	5.91	-.00	100504	.6066	.0174	.2269	-.0015	-.0021	-.0163
3131	.165	1919	7.96	-.00	100514	.7601	.0065	.3094	-.0013	-.0025	-.0154
3132	.165	1925	10.02	-.00	100508	.9420	-.0083	.3967	-.0013	-.0022	-.0151
3133	.165	1922	12.13	-.00	100511	1.1042	-.0141	.4834	-.0016	-.0020	-.0149
3134	.165	1922	14.23	-.00	100511	1.2845	-.0208	.5752	-.0013	-.0013	-.0170
3135	.165	1916	16.22	.00	100518	1.4365	-.0277	.6488	-.0012	-.0015	-.0227
3136	.165	1912	18.22	-.00	100521	1.5822	-.0362	.7294	-.0008	-.0017	-.0154
3137	.167	1958	20.24	-.00	100467	1.7279	-.0451	.8137	-.0005	-.0013	-.0140
3138	.166	1942	21.81	-.00	100484	1.8417	-.0522	.8834	-.0004	-.0014	-.0163
3139	.166	1932	.02	.00	100477	.1421	.0459	-.0251	-.0023	-.0015	-.0205

TEST		995		RUN		187			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
3125	.0116	0.0000	.9866	4.4759	0.0000	0.0000	0.0000	.0130	.0070
3126	-1.8773	0.0000	.9879	4.4782	0.0000	0.0000	0.0000	.0117	.0070
3127	.0350	0.0000	.9881	4.4786	0.0000	0.0000	0.0000	.0114	.0071
3128	1.9514	0.0000	.9886	4.4794	0.0000	0.0000	0.0000	.0110	.0070
3129	3.9088	0.0000	.9891	4.4804	0.0000	0.0000	0.0000	.0105	.0069
3130	5.9097	0.0000	.9897	4.4815	0.0000	0.0000	0.0000	.0099	.0070
3131	7.9591	0.0000	.9908	4.4834	0.0000	0.0000	0.0000	.0089	.0068
3132	10.0247	0.0000	.9918	4.4838	0.0000	0.0000	0.0000	.0086	.0068
3133	12.1271	0.0000	.9916	4.4848	0.0000	0.0000	0.0000	.0080	.0070
3134	14.2254	0.0000	.9911	4.4840	0.0000	0.0000	0.0000	.0084	.0072
3135	16.2221	0.0000	.9917	4.4850	0.0000	0.0000	0.0000	.0078	.0074
3136	18.2172	0.0000	.9912	4.4842	0.0000	0.0000	0.0000	.0082	.0073
3137	20.2368	0.0000	.9902	4.4823	0.0000	0.0000	0.0000	.0088	.0073
3138	21.8072	0.0000	.9901	4.4821	0.0000	0.0000	0.0000	.0089	.0074
3139	.0201	0.0000	.9936	4.4806	0.0000	0.0000	0.0000	.0062	.0068

TEST		995			RUN			187			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3125	.0116	.1496	.0407	-.0234	.1496	.0206	-.0224	.1496	.0336	-.0224	1.0000
3126	-1.8773	.0065	.0438	-.0964	.0065	.0251	-.0964	.0065	.0368	-.0964	1.0000
3127	.0350	.1515	.0415	-.0223	.1515	.0229	-.0223	.1515	.0344	-.0223	1.0000
3128	1.9514	.2932	.0467	.0538	.2932	.0286	.0538	.2932	.0397	.0538	1.0000
3129	3.9088	.4386	.0594	.1398	.4386	.0420	.1398	.4386	.0525	.1398	1.0000
3130	5.9097	.6016	.0798	.2269	.6016	.0629	.2269	.6016	.0728	.2269	1.0000
3131	7.9591	.7519	.1117	.3094	.7519	.0959	.3094	.7519	.1048	.3094	1.0000
3132	10.0247	.9291	.1558	.3967	.9291	.1403	.3967	.9291	.1490	.3967	1.0000
3133	12.1271	1.0826	.2181	.4834	1.0826	.2031	.4834	1.0826	.2112	.4834	1.0000
3134	14.2254	1.2502	.2955	.5752	1.2502	.2799	.5752	1.2502	.2863	.5752	1.0000
3135	16.2221	1.3870	.3747	.6488	1.3870	.3595	.6488	1.3870	.3673	.6488	1.0000
3136	18.2172	1.5142	.4602	.7294	1.5142	.4448	.7294	1.5142	.4529	.7294	1.0000
3137	20.2368	1.6369	.5554	.8137	1.6369	.5393	.8137	1.6369	.5481	.8137	1.0000
3138	21.8072	1.7293	.6357	.8834	1.7293	.6194	.8834	1.7293	.6283	.8834	1.0000
3139	.0201	.1421	.0459	-.0251	.1421	.0330	-.0251	.1421	.0391	-.0251	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995				RUN		100				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3140	.166	1932	.02	.00	100474	.1402	.0448	-.0223	-.0012	-.0019	-.0244
3141	.167	1958	.02	-.00	100467	.3967	-1.6397	-.2215	-.0030	.0020	-.0177
3142	.166	1949	-1.86	-.00	100484	.2428	-1.6671	-.2994	-.0036	.0014	-.0146
3143	.166	1935	.06	-.00	100497	.4012	-1.6933	-.2297	-.0036	.0013	-.0224
3144	.166	1942	1.97	-.00	100494	.5532	-1.7063	-.1584	-.0031	.0018	-.0177
3145	.165	1922	3.94	-.00	100518	.7183	-1.7417	-.0757	-.0034	.0017	-.0166
3146	.166	1932	5.95	-.00	100508	.8961	-1.7570	.0030	-.0037	.0015	-.0175
3147	.166	1932	7.97	-.00	100514	1.0607	-1.7832	.0796	-.0028	.0009	-.0191
3148	.165	1925	10.06	-.00	100521	1.2632	-1.8149	.1578	-.0039	.0012	-.0151
3149	.166	1942	12.14	-.00	100504	1.4538	-1.8173	.2438	-.0037	.0011	-.0194
3150	.166	1949	14.26	-.00	100501	1.6447	-1.7204	.3434	-.0022	.0015	-.0214
3151	.166	1932	16.25	-.00	100518	1.8245	-1.7238	.4161	-.0015	.0016	-.0195
3152	.167	1958	18.26	-.00	100501	1.9931	-1.7218	.4848	-.0014	.0013	-.0141
3153	.166	1932	20.26	-.00	100525	2.2059	-1.7609	.5556	-.0012	.0022	-.0194
3154	.167	1955	21.76	-.00	100501	2.3345	-1.7566	.6211	-.0013	.0020	-.0198
3155	.168	1978	.03	-.00	100488	.3888	-1.6749	-.2283	-.0030	.0022	-.0183
3156	.166	1939	.01	-.00	100528	.1426	.0121	-.0267	-.0009	-.0011	-.0183

TEST	995					RUN	100			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,H	CMU,J	CD,N	CD,C	
3140	.0161	0.0000	.9932	4.4877	0.0000	0.0000	0.0000	.0066	.0068	
3141	.0237	28.7688	2.8131	7.7636	1.7060	1.7251	0.0000	-1.7339	.0351	
3142	-1.8634	28.9954	2.8310	7.7958	1.7352	1.7547	0.0000	-1.7592	.0356	
3143	.0584	29.1031	2.8415	7.8143	1.7586	1.7783	0.0000	-1.7826	.0358	
3144	1.9716	29.2256	2.8517	7.8331	1.7640	1.7838	0.0000	-1.7853	.0358	
3145	3.9398	29.3254	2.8627	7.8528	1.7914	1.8116	0.0000	-1.8115	.0364	
3146	5.9521	29.2721	2.8780	7.8804	1.7852	1.8053	0.0000	-1.8114	.0371	
3147	7.9703	29.4083	2.8956	7.9120	1.7999	1.8201	0.0000	-1.8206	.0379	
3148	10.0564	29.5704	2.9081	7.9346	1.8209	1.8413	0.0000	-1.8285	.0386	
3149	12.1424	29.6496	2.9115	7.9407	1.8126	1.8330	0.0000	-1.8029	.0387	
3150	14.2624	28.7086	2.8169	7.7703	1.7267	1.7461	0.0000	-1.6930	.0385	
3151	16.2487	28.3575	2.7901	7.7223	1.7121	1.7314	0.0000	-1.6668	.0389	
3152	18.2565	28.5488	2.8105	7.7588	1.7073	1.7265	0.0000	-1.6447	.0390	
3153	20.2628	28.6486	2.8206	7.7772	1.7399	1.7594	0.0000	-1.6566	.0402	
3154	21.7639	28.7248	2.8240	7.7833	1.7253	1.7447	0.0000	-1.6233	.0405	
3155	.0279	29.0333	2.8536	7.8365	1.7327	1.7522	0.0000	-1.7552	.0357	
3156	.0064	0.0000	.9993	4.4988	0.0000	0.0000	0.0000	.0007	.0067	

TEST	995					RUN	100				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3140	.0161	.1482	.0449	-.0223	.1482	.0315	-.0223	.1482	.0381	-.0223	1.0000
3141	.0237	.3973	-1.6395	-.2215	.3966	.0313	-.0290	.3974	-1.7487	-.2298	1.8000
3142	-1.8634	.1085	-1.6741	-.2994	.2449	.0247	-.1037	.1870	-1.7544	-.3045	1.8000
3143	.0584	.4029	-1.6929	-.2297	.4011	.0299	-.0313	.4030	-1.7501	-.2321	1.8000
3144	1.9716	.6116	-1.6862	-.1584	.5509	.0409	.0406	.6121	-1.7381	-.1602	1.8000
3145	3.9398	.8363	-1.6882	-.0757	.7132	.0625	.1264	.8355	-1.7133	-.0745	1.8000
3146	5.9521	1.0734	-1.6546	.0030	.8883	.0839	.2044	1.0729	-1.6865	.0035	1.8000
3147	7.9703	1.2977	-1.6189	.0796	1.0481	.1257	.2827	1.2949	-1.6371	.0818	1.8000
3148	10.0564	1.5607	-1.5664	.1578	1.2428	.1879	.3632	1.5536	-1.5647	.1624	1.8000
3149	12.1424	1.8028	-1.4710	.2438	1.4215	.2623	.4483	1.7959	-1.4779	.2475	1.8000
3150	14.2624	2.0179	-1.2622	.3434	1.5925	.3727	.5382	2.0310	-1.3524	.3374	1.8000
3151	16.2487	2.2340	-1.1444	.4161	1.7549	.4605	.6093	2.2538	-1.2484	.4085	1.8000
3152	18.2565	2.4322	-1.0108	.4848	1.8973	.5716	.6774	2.4549	-1.1188	.4766	1.8000
3153	20.2628	2.6792	-.8879	.5556	2.0766	.7041	.7519	2.6931	-.9658	.5511	1.8000
3154	21.7639	2.8194	-.7658	.6211	2.1797	.7960	.8158	2.8397	-.8571	.6149	1.8000
3155	.0279	.3897	-1.6747	-.2283	.3888	.0223	-.0328	.3897	-1.7577	-.2337	1.8000
3156	.0064	.1426	.0121	-.0267	.1426	.0048	-.0267	.1426	.0055	-.0267	1.0000

NASA LANGLEY											
TEST		995		7 X 10 HIGH SPEED TUNNEL							
				RUN 189							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3157	.400	10283	.05	-.00	91674	.1588	.0302	-.0251	-.0015	-.0000	-.0025
3158	.400	10292	-1.90	-.00	91687	.0043	.0321	-.1026	-.0017	-.0004	-.0017
3159	.401	10341	.09	-.00	91661	.1628	.0296	-.0240	-.0014	.0000	-.0025
3160	.402	10354	2.09	-.00	91685	.3165	.0247	.0567	-.0012	-.0000	-.0025
3161	.400	10283	4.12	-.00	91735	.4854	.0176	.1468	-.0014	-.0001	-.0021
3162	.400	10274	6.22	-.00	91731	.6585	.0081	.2394	-.0011	-.0006	-.0009
3163	.401	10332	8.33	-.00	91674	.8297	-.0003	.3256	-.0005	-.0008	-.0002
3164	.400	10264	.06	-.00	91731	.1647	.0323	-.0237	-.0012	.0000	-.0043

NASA LANGLEY									
TEST		995		7 X 10 HIGH SPEED TUNNEL					
				RUN 189					
POINT	ALPHA DEG	MT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
3157	.0522	0.0000	.8923	4.3061	0.0000	0.0000	0.0000	.0179	.0076
3158	-1.8967	0.0000	.8890	4.3002	0.0000	0.0000	0.0000	.0184	.0076
3159	.0913	0.0000	.8854	4.2936	0.0000	0.0000	0.0000	.0189	.0076
3160	2.0886	0.0000	.8842	4.2915	0.0000	0.0000	0.0000	.0191	.0076
3161	4.1236	0.0000	.8816	4.2869	0.0000	0.0000	0.0000	.0196	.0077
3162	6.2193	0.0000	.8800	4.2840	0.0000	0.0000	0.0000	.0199	.0077
3163	8.3316	0.0000	.8760	4.2769	0.0000	0.0000	0.0000	.0203	.0076
3164	.0592	0.0000	.8751	4.2751	0.0000	0.0000	0.0000	.0208	.0076

NASA LANGLEY											
TEST		995		7 X 10 HIGH SPEED TUNNEL							
				RUN 189							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3157	.0522	.1588	.0303	-.0251	.1588	.0048	-.0251	.1588	.0227	-.0251	1.0000
3158	-1.8967	.0053	.0320	-.1026	.0053	.0060	-.1026	.0053	.0244	-.1026	1.0000
3159	.0913	.1627	.0298	-.0240	.1627	.0033	-.0240	.1627	.0222	-.0240	1.0000
3160	2.0886	.3154	.0362	.0567	.3154	.0095	.0567	.3154	.0286	.0567	1.0000
3161	4.1236	.4829	.0525	.1468	.4829	.0252	.1468	.4829	.0448	.1468	1.0000
3162	6.2193	.6537	.0794	.2394	.6537	.0519	.2394	.6537	.0717	.2394	1.0000
3163	8.3316	.8210	.1199	.3256	.8210	.0920	.3256	.8210	.1123	.3256	1.0000
3164	.0592	.1647	.0325	-.0237	.1647	.0040	-.0237	.1647	.0248	-.0237	1.0000

TEST 995 NASA LANGLEY

POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYN,B	CSF
3165	.400	10264	.06	-.00	91735	.1646	.0323	-.0235	-.0017	-.0000	-.0033
3166	.400	10264	.07	-.00	91731	.1864	-.2976	-.0599	-.0024	.0005	-.0016
3167	.401	10298	-1.09	-.00	91701	.0251	-.2960	-.1328	-.0024	.0002	-.0014
3168	.401	10345	.10	-.00	91668	.1861	-.2996	-.0580	-.0024	.0004	-.0022
3169	.401	10326	2.09	-.00	91664	.3475	-.3064	.0208	-.0024	.0005	-.0021
3170	.401	10338	4.14	-.00	91781	.5206	-.3159	.1092	-.0028	.0002	-.0014
3171	.401	10338	6.24	-.00	91678	.6982	-.3284	.2010	-.0024	-.0004	-.0018
3172	.400	10289	7.30	-.00	91698	.7897	-.3391	.2463	-.0017	-.0010	-.0007
3173	.401	10341	8.36	-.00	91647	.8842	-.3429	.2867	-.0015	-.0005	-.0010
3174	.400	10280	.07	-.00	91711	.1803	-.3171	-.0570	-.0022	.0004	-.0023
3175	.400	10283	.06	-.00	91718	.1630	.0296	-.0249	-.0015	-.0000	-.0023

POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
3165	.0592	0.0000	.8746	4.2742	0.0000	0.0000	0.0000	.0209	.0076
3166	.0651	28.2314	2.9271	7.9688	.3261	.3297	0.0000	-.3211	.0149
3167	-1.0924	28.2765	2.9286	7.9715	.3260	.3296	0.0000	-.3200	.0148
3168	.1033	28.3827	2.9353	7.9836	.3264	.3300	0.0000	-.3198	.0148
3169	2.0945	28.4824	2.9438	7.9988	.3286	.3323	0.0000	-.3214	.0149
3170	4.1425	28.6096	2.9486	8.0074	.3310	.3348	0.0000	-.3223	.0151
3171	6.2418	28.9845	2.9696	8.0453	.3358	.3396	0.0000	-.3237	.0157
3172	7.3002	28.9403	2.9937	8.0887	.3381	.3419	0.0000	-.3286	.0161
3173	8.3617	29.0685	3.0072	8.1130	.3386	.3424	0.0000	-.3281	.0161
3174	.0693	29.1447	3.0099	8.1179	.3420	.3458	0.0000	-.3343	.0157
3175	.0607	0.0000	.8638	4.2548	0.0000	0.0000	0.0000	.0226	.0076

POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3165	.0592	.1645	.0325	-.0235	.1645	.0040	-.0235	.1645	.0249	-.0235	.3387
3166	.0651	.1867	-.2974	-.0599	.1863	.0138	-.0231	.1867	-.3211	-.0609	.3387
3167	-1.0924	.0154	-.2967	-.1328	.0261	.0143	-.0961	.0151	-.3204	-.1338	.3387
3168	.1033	.1867	-.2993	-.0580	.1861	.0123	-.0212	.1867	-.3226	-.0590	.3387
3169	2.0945	.3505	-.2935	.0208	.3465	.0201	.0575	.3587	-.3146	.0201	.3387
3170	4.1425	.5420	-.2775	.1092	.5181	.0376	.1466	.5423	-.2964	.1088	.3387
3171	6.2418	.7297	-.2505	.2010	.6932	.0676	.2389	.7296	-.2653	.2011	.3387
3172	7.3002	.8264	-.2360	.2463	.7834	.0834	.2845	.8268	-.2488	.2467	.3387
3173	8.3617	.9247	-.2106	.2867	.8754	.1082	.3249	.9241	-.2231	.2871	.3387
3174	.0693	.1807	-.3169	-.0570	.1803	.0894	-.0184	.1807	-.3255	-.0562	.3387
3175	.0607	.1630	.0297	-.0249	.1630	-.0006	-.0249	.1630	.0221	-.0249	.3387

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	191				
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,8	CYM,6	CSF
3178	.166	1932	.02	-.00	100575	.2089	.1019	.1728	-.0002	-.0016	-.0192
3179	.166	1945	-1.84	-.00	100562	.0767	.1000	.1080	-.0003	-.0018	-.0112
3180	.166	1949	.06	-.00	100552	.2119	.1025	.1748	-.0001	-.0014	-.0145
3181	.166	1932	1.97	-.00	100569	.3476	.1882	.2458	-.0000	-.0015	-.0172
3182	.166	1935	3.93	-.00	100572	.4929	.1128	.3214	-.0001	-.0017	-.0162
3183	.166	1932	5.93	-.00	100582	.6233	.1158	.3832	-.0004	-.0020	-.0169
3184	.166	1935	7.96	-.00	100582	.7846	.1189	.4523	-.0001	-.0018	-.0181
3185	.166	1935	10.03	-.00	100589	.9372	.1206	.5342	-.0002	-.0016	-.0191
3186	.166	1942	12.14	-.00	100582	1.0825	.1163	.6213	-.0009	-.0016	-.0153
3187	.166	1935	14.21	-.00	100592	1.2267	.1166	.7051	.0002	-.0012	-.0133
3188	.166	1949	16.22	-.00	100582	1.3740	.1158	.7735	.0009	-.0017	-.0135
3189	.165	1912	18.23	-.00	100616	1.5429	.1181	.8445	.0013	-.0016	-.0137
3190	.165	1912	20.22	-.00	100619	1.7011	.1181	.9151	.0017	-.0016	-.0146
3191	.166	1932	21.70	-.00	100599	1.8193	.1148	.9666	.0018	-.0015	-.0120
3192	.165	1925	.03	-.00	100606	.2071	.1091	.1728	.0009	-.0015	-.0185

TEST	995					RUN	191				
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3178	.0244	0.0000	.9858	4.4744	0.0000	0.0000	0.0000	.0138	.0073		
3179	-1.8398	0.0000	.9865	4.4757	0.0000	0.0000	0.0000	.0130	.0073		
3180	.0573	0.0000	.9872	4.4769	0.0000	0.0000	0.0000	.0123	.0072		
3181	1.9712	0.0000	.9882	4.4788	0.0000	0.0000	0.0000	.0114	.0072		
3182	3.9318	0.0000	.9898	4.4817	0.0000	0.0000	0.0000	.0098	.0072		
3183	5.9267	0.0000	.9901	4.4821	0.0000	0.0000	0.0000	.0096	.0070		
3184	7.9607	0.0000	.9906	4.4832	0.0000	0.0000	0.0000	.0090	.0070		
3185	10.0252	0.0000	.9916	4.4848	0.0000	0.0000	0.0000	.0088	.0071		
3186	12.1356	0.0000	.9924	4.4863	0.0000	0.0000	0.0000	.0072	.0071		
3187	14.2113	0.0000	.9917	4.4850	0.0000	0.0000	0.0000	.0078	.0074		
3188	16.2169	0.0000	.9911	4.4840	0.0000	0.0000	0.0000	.0082	.0081		
3189	18.2262	0.0000	.9902	4.4823	0.0000	0.0000	0.0000	.0091	.0090		
3190	20.2213	0.0000	.9889	4.4800	0.0000	0.0000	0.0000	.0102	.0099		
3191	21.7042	0.0000	.9882	4.4788	0.0000	0.0000	0.0000	.0106	.0102		
3192	.0264	0.0000	.9961	4.4929	0.0000	0.0000	0.0000	.0038	.0069		

TEST	995					RUN	191				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3178	.0244	.2088	.1020	.1728	.2088	.0809	.1728	.2088	.0947	.1728	1.0000
3179	-1.8398	.0798	.0975	.1080	.0798	.0772	.1080	.0798	.0902	.1080	1.0000
3180	.0573	.2118	.1028	.1748	.2118	.0832	.1748	.2118	.0955	.1748	1.0000
3181	1.9712	.3437	.1201	.2458	.3437	.1015	.2458	.3437	.1129	.2458	1.0000
3182	3.9318	.4840	.1464	.3214	.4840	.1294	.3214	.4840	.1392	.3214	1.0000
3183	5.9267	.6080	.1796	.3832	.6080	.1630	.3832	.6080	.1726	.3832	1.0000
3184	7.9607	.7606	.2265	.4523	.7606	.2105	.4523	.7606	.2194	.4523	1.0000
3185	10.0252	.9019	.2819	.5342	.9019	.2668	.5342	.9019	.2748	.5342	1.0000
3186	12.1356	1.0339	.3412	.6213	1.0339	.3269	.6213	1.0339	.3341	.6213	1.0000
3187	14.2113	1.1605	.4142	.7051	1.1685	.3990	.7051	1.1605	.4068	.7051	1.0000
3188	16.2169	1.2870	.4949	.7735	1.2870	.4786	.7735	1.2870	.4868	.7735	1.0000
3189	18.2262	1.4286	.5947	.8445	1.4286	.5766	.8445	1.4286	.5857	.8445	1.0000
3190	20.2213	1.5554	.6988	.9151	1.5554	.6787	.9151	1.5554	.6889	.9151	1.0000
3191	21.7042	1.6482	.7787	.9666	1.6482	.7578	.9666	1.6482	.7685	.9666	1.0000
3192	.0264	.2070	.1092	.1728	.2070	.0985	.1728	.2070	.1024	.1728	1.0000

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPM	CRM,B	CYM,B	CSF
3193	.166	1935	.02	-.00	100602	.2122	.1075	-.1737	-.0000	-.0016	-.0170
3194	.167	1959	.03	-.00	100582	.4361	-1.6005	-.0239	-.0007	-.0014	-.0141
3195	.166	1952	-1.86	-.00	100589	.2894	-1.6430	-.0944	-.0014	-.0018	-.0150
3196	.165	1929	.06	-.00	100619	.4458	-1.6765	-.0325	-.0014	-.0019	-.0183
3197	.166	1952	1.98	-.00	100599	.5920	-1.6688	.0396	-.0017	.0023	-.0212
3198	.167	1955	3.94	-.00	100596	.7327	-1.6780	.1143	-.0023	.0017	-.0223
3199	.166	1942	5.96	-.00	100609	.8848	-1.6958	.1773	-.0026	.0013	-.0182
3200	.166	1932	7.98	-.00	100623	1.0498	-1.6160	.2564	.0002	.0007	-.0216
3201	.166	1942	10.04	-.00	100613	1.2322	-1.5892	.3335	-.0008	.0017	-.0209
3202	.167	1959	12.15	-.00	100603	1.4040	-1.5811	.4150	-.0010	.0013	-.0206
3203	.166	1949	14.26	-.00	100616	1.5795	-1.5953	.4938	-.0008	.0016	-.0161
3204	.167	1955	16.25	-.00	100613	1.7504	-1.6015	.5654	-.0008	.0019	-.0213
3205	.167	1959	18.28	-.00	100616	1.9195	-1.6082	.6317	.0002	.0021	-.0233
3206	.167	1972	20.26	-.00	100613	2.1210	-1.6122	.7014	.0003	.0020	-.0169
3207	.167	1972	21.73	-.00	100620	2.2657	-1.6308	.7480	.0004	.0019	-.0191
3208	.168	1978	.04	-.00	100606	.4242	-1.5839	-.0189	-.0005	.0011	-.0243
3209	.166	1939	.02	-.00	100653	.1985	.0739	.1692	.0011	-.0013	-.0194

TEST		995		RUN		192			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
3193	.0200	0.0000	.9960	4.4927	0.0000	0.0000	0.0000	.0039	.0070
3194	.0310	28.9489	2.8372	7.8870	1.7293	1.7488	0.0000	-1.7589	.0353
3195	-1.8562	29.3139	2.8697	7.8654	1.7679	1.7877	0.0000	-1.7952	.0359
3196	.0635	29.4364	2.8777	7.8799	1.7989	1.8191	0.0000	-1.8261	.0363
3197	1.9778	29.6124	2.8989	7.9179	1.7958	1.8160	0.0000	-1.8233	.0364
3198	3.9383	29.7873	2.9164	7.9496	1.8090	1.8294	0.0000	-1.8338	.0367
3199	5.9595	29.8809	2.9297	7.9735	1.8315	1.8521	0.0000	-1.8536	.0374
3200	7.9758	28.7172	2.8282	7.7907	1.7453	1.7649	0.0000	-1.7577	.0372
3201	10.0390	28.5313	2.8130	7.7633	1.7221	1.7415	0.0000	-1.7242	.0373
3202	12.1522	28.6581	2.8260	7.7869	1.7201	1.7394	0.0000	-1.7094	.0379
3203	14.2642	28.7594	2.8330	7.7993	1.7365	1.7560	0.0000	-1.7180	.0388
3204	16.2542	28.8831	2.8481	7.8266	1.7429	1.7625	0.0000	-1.7020	.0397
3205	18.2813	28.8999	2.8530	7.8354	1.7420	1.7616	0.0000	-1.6951	.0406
3206	20.2606	29.0510	2.8646	7.8563	1.7418	1.7614	0.0000	-1.6640	.0414
3207	21.7288	29.3528	2.8797	7.8835	1.7650	1.7849	0.0000	-1.6612	.0422
3208	.0424	28.6733	2.8208	7.7774	1.7841	1.7233	0.0000	-1.7261	.0353
3209	.0214	0.0000	1.0028	4.5050	0.0000	0.0000	0.0000	-.0027	.0071

NASA LANGLEY											
TEST 995			7 X 10 HIGH SPEED TUNNEL								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3193	.0200	.2121	.1075	.1737	.2121	.0966	.1737	.2121	.1005	.1737	1.0000
3194	.0310	.4370	-1.6002	-.0239	.4361	.0938	.1712	.4370	-1.6862	-.0296	1.0000
3195	-1.8562	.2360	-1.6515	-.0944	.2933	.0795	.1051	.2356	-1.6995	-.0957	1.0000
3196	.0635	.4477	-1.6760	-.0325	.4457	.0866	.1705	.4477	-1.6934	-.0303	1.0000
3197	1.9778	.6492	-1.6474	.0396	.5873	.1110	.2422	.6487	-1.6680	.0414	1.0000
3198	3.9383	.8502	-1.6234	.1143	.7260	.1447	.3184	.8482	-1.6311	.1176	1.0000
3199	5.9595	1.0561	-1.5948	.1773	.8660	.1894	.3839	1.0508	-1.5810	.1831	1.0000
3200	7.9758	1.2639	-1.4547	.2564	1.0217	.2365	.4533	1.2687	-1.5263	.2525	1.0000
3201	10.0390	1.4904	-1.3500	.3335	1.1982	.3804	.5278	1.5005	-1.4443	.3269	1.0000
3202	12.1522	1.7054	-1.2501	.4150	1.3433	.3935	.6090	1.7180	-1.3466	.4882	1.0000
3203	14.2642	1.9239	-1.1570	.4938	1.4961	.4871	.6897	1.9346	-1.2380	.4888	1.0000
3204	16.2542	2.1287	-1.0476	.5654	1.6409	.5868	.7620	2.1391	-1.1229	.5612	1.0000
3205	18.2813	2.3271	-.9249	.6317	1.7806	.6886	.8282	2.3390	-1.0016	.6274	1.0000
3206	20.2606	2.5488	-.7779	.7014	1.9448	.8147	.8979	2.5612	-.8552	.6971	1.0000
3207	21.7288	2.7085	-.6761	.7480	2.0551	.9213	.9471	2.7140	-.7322	.7463	1.0000
3208	.0424	.4253	-1.5836	-.0189	.4241	.0852	.1734	.4254	-1.6948	-.0274	1.0000
3209	.0214	.1985	.0740	-.1692	.1985	.0695	.1692	.1985	.0669	.1692	1.0000

NASA LANGLEY

7 X 10 HIGH SPEED TUNNEL

TEST	995	RUN 193									
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P-INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3212	.166	1935	-.01	-.00	100653	.0110	.0946	-.2415	-.0034	-.0019	-.0172
3213	.165	1922	-1.90	-.00	100667	-.1235	.1884	-.3036	-.0022	-.0019	-.0178
3214	.166	1939	.00	-.00	100647	.0123	.0959	-.2393	-.0024	-.0019	-.0152
3215	.166	1935	1.93	-.00	100646	.1542	.0795	-.1734	-.0024	-.0019	-.0166
3216	.166	1942	3.89	-.00	100647	.2943	.0608	-.0968	-.0029	-.0023	-.0165
3217	.165	1922	5.88	-.00	100667	.4365	.0401	-.0174	-.0028	-.0021	-.0109
3218	.166	1949	7.94	-.00	100647	.6045	.0213	.0629	-.0016	-.0020	-.0180
3219	.166	1942	9.99	-.00	100653	.7675	.0048	.1376	-.0022	-.0015	-.0166
3220	.167	1955	12.10	-.00	100640	.9241	-.0097	.2194	-.0025	-.0012	-.0185
3221	.166	1942	14.21	-.00	100660	1.0692	-.0228	.3012	-.0025	-.0012	-.0186
3222	.166	1949	16.19	-.00	100653	1.2010	-.0358	.3834	-.0021	-.0016	-.0116
3223	.165	1925	18.20	-.00	100677	1.3424	-.0486	.4620	-.0022	-.0016	-.0181
3224	.165	1929	20.19	-.00	100680	1.4774	-.0581	.5481	-.0012	-.0016	-.0143
3225	.166	1939	21.77	-.00	100670	1.6043	-.0668	.5960	-.0015	-.0013	-.0139
3226	.166	1949	-.01	-.00	100660	.0144	.1043	-.2395	-.0015	-.0019	-.0155

TEST	995	RUN 193									
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3212	-.0135	.4459	.9793	4.4628	0.0000	0.0000	0.0000	.0200	.0073		
3213	-1.8986	.6795	.9796	4.4632	0.0000	0.0000	0.0000	.0199	.0078		
3214	.0029	.3622	.9799	4.4639	0.0000	0.0000	0.0000	.0194	.0073		
3215	1.9304	.4426	.9808	4.4655	0.0000	0.0000	0.0000	.0186	.0071		
3216	3.8939	.3605	.9817	4.4670	0.0000	0.0000	0.0000	.0177	.0070		
3217	5.8767	.4410	.9807	4.4653	0.0000	0.0000	0.0000	.0187	.0069		
3218	7.9364	.4392	.9798	4.4636	0.0000	0.0000	0.0000	.0193	.0069		
3219	9.9936	.5061	.9811	4.4659	0.0000	0.0000	0.0000	.0180	.0070		
3220	12.1004	.4368	.9799	4.4639	0.0000	0.0000	0.0000	.0188	.0074		
3221	14.2081	.5031	.9796	4.4632	0.0000	0.0000	0.0000	.0191	.0076		
3222	16.1879	.5022	.9788	4.4618	0.0000	0.0000	0.0000	.0196	.0078		
3223	18.1990	.4337	.9759	4.4566	0.0000	0.0000	0.0000	.0223	.0079		
3224	20.1921	.4320	.9736	4.4524	0.0000	0.0000	0.0000	.0241	.0080		
3225	21.7714	.4968	.9705	4.4468	0.0000	0.0000	0.0000	.0266	.0084		
3226	-.0064	.4923	.9815	4.4668	0.0000	0.0000	0.0000	.0178	.0074		

TEST	995	RUN 193									
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
3212	-.0135	.0111	.0946	-.2415	.0111	.0673	-.2415	.0111	.0873	-.2415	1.0000
3213	-1.8986	-.1198	.1124	-.3036	-.1198	.0847	-.3036	-.1198	.1046	-.3036	1.0000
3214	.0029	.0123	.0959	-.2393	.0123	.0691	-.2393	.0123	.0886	-.2393	1.0000
3215	1.9304	.1514	.0846	-.1734	.1514	.0590	-.1734	.1514	.0776	-.1734	1.0000
3216	3.8939	.2895	.0806	-.0968	.2895	.0559	-.0968	.2895	.0736	-.0968	1.0000
3217	5.8767	.4301	.0846	-.0174	.4301	.0590	-.0174	.4301	.0777	-.0174	1.0000
3218	7.9364	.5957	.1046	.0629	.5957	.0784	.0629	.5957	.0976	.0629	1.0000
3219	9.9936	.7550	.1379	.1376	.7550	.1128	.1376	.7550	.1308	.1376	1.0000
3220	12.1004	.9056	.1842	.2194	.9056	.1580	.2194	.9056	.1768	.2194	1.0000
3221	14.2081	1.0421	.2403	.3012	1.0421	.2136	.3012	1.0421	.2327	.3012	1.0000
3222	16.1879	1.1634	.3005	.3834	1.1634	.2730	.3834	1.1634	.2926	.3834	1.0000
3223	18.1990	1.2904	.3731	.4620	1.2904	.3429	.4620	1.2904	.3652	.4620	1.0000
3224	20.1921	1.4066	.4554	.5401	1.4066	.4233	.5401	1.4066	.4474	.5401	1.0000
3225	21.7714	1.5147	.5330	.5960	1.5147	.4981	.5960	1.5147	.5246	.5960	1.0000
3226	-.0064	.0144	.1043	-.2395	.0144	.0791	-.2395	.0144	.0969	-.2395	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST	995					RUN	194				
POINT	MACH	Q N/(MXH)	ALPHA DEG	BETA DEG	P,INF N/(MXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3228	.166	1952	.01	-.00	100681	.2697	-1.5916	-.4498	-.0033	.0009	-.0119
3229	.166	1949	-1.07	-.00	100680	.1270	-1.5848	-.5005	-.0025	.0012	-.0122
3230	.167	1962	.04	-.00	100667	.2801	-1.5937	-.4451	-.0031	.0009	-.0117
3231	.165	1929	1.96	-.00	100701	.4240	-1.6422	-.3809	-.0034	.0016	-.0118
3232	.166	1935	3.91	-.00	100694	.5794	-1.6668	-.3205	-.0036	.0012	-.0096
3233	.166	1952	5.92	-.00	100684	.7378	-1.6799	-.2425	-.0036	.0008	-.0142
3234	.166	1939	7.97	-.00	100697	.9211	-1.7178	-.1636	-.0028	.0010	-.0156
3235	.166	1949	10.02	-.00	100691	1.0998	-1.7232	-.0958	-.0030	.0015	-.0151
3236	.166	1935	12.13	-.00	100707	1.2744	-1.7595	-.0281	-.0030	.0022	-.0104
3237	.166	1932	14.23	-.00	100714	1.4322	-1.7825	.0458	-.0038	.0029	-.0252
3238	.166	1949	16.22	-.00	100697	1.5840	-1.7855	.1207	-.0046	.0023	-.0164
3239	.167	1959	18.24	-.00	100687	1.7433	-1.8028	.1857	-.0055	.0023	-.0155
3240	.168	1978	20.22	-.00	100677	1.9194	-1.8046	.2532	-.0062	.0010	-.0169
3241	.166	1982	21.85	-.00	100667	2.0775	-1.8247	.3044	-.0053	.0010	-.0159
3242	.167	1959	.01	-.00	100701	.2695	-1.6534	-.4589	-.0030	.0008	-.0238
3243	.166	1949	-.00	-.00	100721	.0001	.0028	-.2445	.0010	-.0015	-.0192

TEST	995					RUN	194			
POINT	ALPHA DEG	WT FLOW W/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C	
3228	.0126	20.5506	2.7964	7.7325	1.7839	1.7231	0.0000	-1.7273	.0327	
3229	-1.0692	20.5939	2.8003	7.7406	1.7099	1.7291	0.0000	-1.7331	.0334	
3230	.0368	20.6237	2.8050	7.7498	1.7025	1.7217	0.0000	-1.7266	.0326	
3231	1.9645	20.6542	2.8056	7.7501	1.7341	1.7535	0.0000	-1.7563	.0335	
3232	3.9133	20.9084	2.8205	7.7770	1.7536	1.7733	0.0000	-1.7616	.0340	
3233	5.9161	20.8400	2.8298	7.7937	1.7340	1.7535	0.0000	-1.7581	.0344	
3234	7.9668	29.2012	2.8408	7.8134	1.7710	1.7909	0.0000	-1.7652	.0349	
3235	10.0240	20.9068	2.8391	7.8183	1.7407	1.7603	0.0000	-1.7445	.0351	
3236	12.1323	29.0255	2.8480	7.8264	1.7677	1.7875	0.0000	-1.7526	.0358	
3237	14.2256	29.1187	2.8588	7.8459	1.7785	1.7985	0.0000	-1.7509	.0363	
3238	16.2234	29.1704	2.8643	7.8558	1.7698	1.7869	0.0000	-1.7245	.0365	
3239	18.2440	29.3430	2.8810	7.8859	1.7766	1.7966	0.0000	-1.7121	.0368	
3240	20.2242	29.3559	2.8824	7.8882	1.7611	1.7809	0.0000	-1.6757	.0376	
3241	21.8026	29.5768	2.8904	7.9827	1.7737	1.7937	0.0000	-1.6622	.0383	
3242	.0124	29.4356	2.8648	7.8566	1.7807	1.8007	0.0000	-1.7874	.0328	
3243	-.0046	0.0000	.9002	4.4643	0.0000	0.0000	0.0000	.0191	.0069	

TEST	995					RUN	194				
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3228	.0126	.2701	-1.5915	-.4498	.2697	.0797	-.2576	.2701	-1.7003	-.4504	1.0000
3229	-1.0692	.0732	-1.5881	-.5005	.1310	.2075	-.3156	.0738	-1.6916	-.5164	1.0000
3230	.0368	.2012	-1.5935	-.4451	.2801	.0764	-.2530	.2012	-1.7036	-.4539	1.0000
3231	1.9645	.4800	-1.6266	-.3809	.4214	.0729	-.1932	.4024	-1.7060	-.3940	1.0000
3232	3.9133	.6918	-1.6226	-.3205	.5721	.0929	-.1226	.6936	-1.6829	-.3234	1.0000
3233	5.9161	.9070	-1.5949	-.2425	.7293	.0954	-.0469	.9117	-1.6751	-.2477	1.0000
3234	7.9668	1.1503	-1.5736	-.1636	.9048	.1454	.0362	1.1515	-1.6174	-.1647	1.0000
3235	10.0240	1.3829	-1.5854	-.0958	1.0786	.1814	.1014	1.3804	-1.5714	-.0994	1.0000
3236	12.1323	1.6157	-1.4524	-.0281	1.2442	.2400	.1713	1.6183	-1.5003	-.0295	1.0000
3237	14.2256	1.8263	-1.3759	.0458	1.3892	.3118	.2465	1.8266	-1.4137	.0457	1.0000
3238	16.2234	2.0198	-1.2719	.1207	1.5255	.3982	.3203	2.0229	-1.3109	.1195	1.0000
3239	18.2440	2.2196	-1.1657	.1857	1.6636	.4840	.3861	2.2208	-1.2057	.1853	1.0000
3240	20.2242	2.4250	-1.0298	.2532	1.8162	.5850	.4519	2.4315	-1.0852	.2511	1.0000
3241	21.8026	2.6066	-.9226	.3044	1.9478	.6868	.5845	2.6089	-.9667	.3037	1.0000
3242	.0124	.2699	-1.6534	-.4589	.2695	.0945	-.2580	.2699	-1.6855	-.4508	1.0000
3243	-.0046	.0001	.0028	-.2445	.0001	.0560	-.2445	.0001	.0759	-.2445	1.0000

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		195							
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	CPI	CRM,B	CYM,B	CSF		
3255	.400	10321	.02	-.00	91976	.1620	.0338	-.0381	-.0014	.0004	.0001		
3256	.400	10380	-1.91	-.00	92006	.0211	.0342	-.0728	-.0016	.0000	.0010		
3257	.400	10321	.05	-.00	91999	.1623	.0330	-.0380	-.0011	.0004	-.0002		
3258	.401	10346	2.04	-.00	91996	.3044	.0269	-.0020	-.0017	.0003	.0004		
3259	.400	10303	4.03	-.00	92053	.4365	.0153	.0345	-.0017	.0002	.0004		
3260	.400	10324	6.10	-.00	91996	.5697	-.0011	.0765	-.0023	-.0009	.0031		
3261	.401	10343	8.18	-.00	91976	.7121	-.0085	.1102	-.0015	-.0001	.0009		
3262	.400	10306	10.33	-.00	91996	.8487	-.0115	.1573	-.0013	.0003	.0005		
3263	.399	10263	12.48	-.00	92026	.9602	-.0112	.2049	-.0010	.0004	.0006		
3264	.400	10300	14.63	-.00	91989	1.0687	-.0035	.2480	.0002	.0004	.0002		
3265	.400	10309	.05	-.00	91992	.1654	.0338	-.0376	-.0011	.0003	-.0004		

TEST		995		RUN		195							
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C				
3255	.0162	0.0000	.0727	4.2708	0.0000	0.0000	0.0000	.0212	.0077				
3256	-1.9148	0.0000	.0710	4.2679	0.0000	0.0000	0.0000	.0215	.0077				
3257	.0534	0.0000	.0694	4.2658	0.0000	0.0000	0.0000	.0217	.0077				
3258	2.0376	0.0000	.0662	4.2591	0.0000	0.0000	0.0000	.0222	.0076				
3259	4.0323	0.0000	.0664	4.2596	0.0000	0.0000	0.0000	.0222	.0076				
3260	6.0997	0.0000	.0662	4.2541	0.0000	0.0000	0.0000	.0221	.0075				
3261	8.1817	0.0000	.0662	4.2592	0.0000	0.0000	0.0000	.0220	.0073				
3262	10.3348	0.0000	.0607	4.2492	0.0000	0.0000	0.0000	.0228	.0075				
3263	12.4811	0.0000	.0554	4.2396	0.0000	0.0000	0.0000	.0236	.0078				
3264	14.6262	0.0000	.0388	4.2099	0.0000	0.0000	0.0000	.0260	.0078				
3265	.0523	0.0000	.0560	4.2488	0.0000	0.0000	0.0000	.0240	.0077				

TEST		995		RUN		195							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM		
3255	.0162	.1620	.0339	-.0381	.1620	.0051	-.0381	.1620	.0262	-.0381	1.0000		
3256	-1.9148	.0222	.0335	-.0728	.0222	.0044	-.0728	.0222	.0258	-.0728	1.0000		
3257	.0534	.1622	.0332	-.0380	.1622	.0038	-.0380	.1622	.0255	-.0380	1.0000		
3258	2.0376	.3032	.0377	-.0020	.3032	.0079	-.0020	.3032	.0381	-.0020	1.0000		
3259	4.0323	.4343	.0460	.0345	.4343	.0162	.0345	.4343	.0384	.0345	1.0000		
3260	6.0997	.5666	.0595	.0765	.5666	.0299	.0765	.5666	.0520	.0765	1.0000		
3261	8.1817	.7061	.0929	.1102	.7061	.0636	.1102	.7061	.0856	.1102	1.0000		
3262	10.3348	.8370	.1409	.1573	.8370	.1106	.1573	.8370	.1334	.1573	1.0000		
3263	12.4811	.9399	.1966	.2049	.9399	.1652	.2049	.9399	.1888	.2049	1.0000		
3264	14.6262	1.0349	.2664	.2480	1.0349	.2327	.2480	1.0349	.2587	.2480	1.0000		
3265	.0523	.1653	.0339	-.0376	.1653	.0023	-.0376	.1653	.0263	-.0376	1.0000		

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7 X 10 HIGH SPEED TUNNEL

TEST		995				RUN		196			
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P.INF N/(MXM)	CNF	CAF	CPH	CRM,B	CYN,B	CSF
3266	.401	10330	.05	-.00	91993	.1650	.0336	-.0379	-.0014	.0002	.0005
3267	.401	10343	.06	-.00	91993	.1882	-.2939	-.0715	-.0016	.0008	.0007
3268	.402	10386	-1.91	-.00	91963	.0380	-.2938	-.1037	-.0026	.0004	.0020
3269	.402	10389	.07	-.00	91939	.1870	-.2962	-.0703	-.0021	.0008	.0007
3270	.401	10368	2.05	-.00	91969	.3280	-.3083	-.0376	-.0022	.0008	.0009
3271	.400	10290	4.06	-.00	92036	.4742	-.3234	-.0029	-.0031	.0005	.0015
3272	.400	10303	6.12	-.00	92009	.6223	-.3412	.0345	-.0033	-.0005	.0029
3273	.401	10337	8.23	-.00	91959	.7826	-.3493	.0737	-.0026	.0003	.0014
3274	.401	10340	10.35	-.00	91993	.9200	-.3540	.1088	-.0024	.0005	.0013
3275	.400	10303	12.52	-.00	92019	1.0409	-.3594	.1526	-.0023	.0005	.0007
3276	.401	10331	14.68	-.00	92006	1.1634	-.3539	.1810	-.0012	.0005	-.0005
3277	.400	10281	.04	-.00	92023	.1750	-.3207	-.0699	-.0025	.0006	.0012
3278	.400	10318	.03	-.00	92006	.1640	.0302	-.0389	-.0015	.0003	.0006

TEST		995		RUN		196			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C
3266	.0522	0.0000	.8552	4.2394	0.0000	0.0000	0.0000	.0240	.0076
3267	.0618	28.1995	2.8955	7.9119	.3194	.3230	0.0000	-.3143	.0148
3268	-1.9087	28.2735	2.9039	7.9271	.3195	.3231	0.0000	-.3141	.0149
3269	.0714	28.3364	2.9123	7.9421	.3205	.3241	0.0000	-.3155	.0148
3270	2.0482	28.5744	2.9287	7.9717	.3255	.3292	0.0000	-.3187	.0147
3271	4.0610	28.6220	2.9309	7.9756	.3289	.3326	0.0000	-.3211	.0148
3272	6.1244	28.7537	2.9478	8.0060	.3314	.3351	0.0000	-.3224	.0149
3273	8.2304	28.8799	2.9650	8.0370	.3329	.3367	0.0000	-.3225	.0153
3274	10.3518	29.0077	2.9714	8.0486	.3351	.3389	0.0000	-.3217	.0157
3275	12.5220	29.2964	2.9944	8.0899	.3412	.3450	0.0000	-.3242	.0159
3276	14.6756	29.8954	2.9987	8.0977	.3476	.3515	0.0000	-.3210	.0154
3277	.0442	29.3976	3.0112	8.1201	.3442	.3481	0.0000	-.3356	.0153
3278	.0331	0.0000	.8476	4.2257	0.0000	0.0000	0.0000	.0253	.0078

TEST		995				RUN		196			
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3266	.0522	.1650	.0337	-.0379	.1650	.0021	-.0379	.1650	.0261	-.0379	.3387
3267	.0618	.1885	-.2937	-.0715	.1881	.0110	-.0355	.1885	-.3239	-.0732	.3387
3268	-1.9087	.0282	-.2949	-.1037	.0388	.0095	-.0677	.0277	-.3252	-.1054	.3387
3269	.0714	.1874	-.2959	-.0703	.1870	.0098	-.0341	.1874	-.3251	-.0719	.3387
3270	2.0482	.3389	-.2964	-.0376	.3272	.0142	-.0009	.3392	-.3205	-.0386	.3387
3271	4.0610	.4959	-.2890	-.0029	.4726	.0243	.0342	.4963	-.3098	-.0035	.3387
3272	6.1244	.6552	-.2729	.0345	.6198	.0417	.0719	.6556	-.2913	.0341	.3387
3273	8.2304	.8245	-.2337	.0737	.7768	.0895	.1113	.8248	-.2509	.0735	.3387
3274	10.3518	.9687	-.1830	.1088	.9085	.1310	.1466	.9686	-.1984	.1088	.3387
3275	12.5220	1.0940	-.1251	.1526	1.0201	.1921	.1918	1.0927	-.1349	.1533	.3387
3276	14.6756	1.2151	-.0476	.1810	1.1270	.2733	.2202	1.2119	-.0507	.1824	.3387
3277	.0442	.1752	-.3206	-.0699	.1749	.0084	-.0310	.1752	-.3265	-.0688	.3387
3278	.0331	.1640	.0303	-.0389	.1640	-.0028	-.0389	.1640	.0225	-.0389	.3387

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		197					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPH	CRM,B	CYM,B	CSF
3281	.400	10306	.11	-.00	92091	.3203	.0783	-.1264	.0006	.0006	.0016
3282	.400	10303	-1.05	-.00	92104	.1560	.0927	-.1505	-.0000	.0006	.0015
3283	.401	10346	.13	-.00	92061	.3215	.0777	-.1259	.0006	.0006	.0021
3284	.400	10328	2.11	-.00	92071	.4993	.0601	-.1068	-.0021	.0005	.0025
3285	.400	10318	4.14	-.00	92081	.6552	.0360	-.0763	-.0020	-.0004	.0052
3286	.401	10368	6.20	-.00	92044	.7858	.0095	-.0386	-.0007	.0001	.0022
3287	.401	10346	8.28	-.00	92101	.9048	-.0189	.0058	-.0012	-.0001	.0027
3288	.401	10365	10.42	-.00	92088	1.0316	-.0503	.0515	-.0013	-.0003	.0029
3289	.400	10331	12.58	-.00	92071	1.1535	-.0832	.1069	-.0027	-.0006	.0032
3290	.401	10350	14.75	-.00	92101	1.2723	-.1136	.1642	-.0048	-.0009	.0043
3291	.401	10368	.11	-.00	92061	.3206	.0746	-.1260	.0003	.0006	.0022

TEST		995		RUN		197					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CO,N	CO,C		
3281	.1053	0.0000	.8623	22.2000	0.0000	0.0000	0.0000	.0229	.0079		
3282	-1.8519	0.0000	.8647	22.2000	0.0000	0.0000	0.0000	.0225	.0080		
3283	.1317	0.0000	.8629	22.2000	0.0000	0.0000	0.0000	.0228	.0079		
3284	2.1123	0.0000	.8608	22.2000	0.0000	0.0000	0.0000	.0233	.0077		
3285	4.1350	0.0000	.8584	22.2000	0.0000	0.0000	0.0000	.0235	.0076		
3286	6.1976	0.0000	.8581	22.2000	0.0000	0.0000	0.0000	.0233	.0073		
3287	8.2845	0.0000	.8624	22.2000	0.0000	0.0000	0.0000	.0226	.0070		
3288	10.4162	0.0000	.8640	22.2000	0.0000	0.0000	0.0000	.0222	.0070		
3289	12.5816	0.0000	.8635	22.2000	0.0000	0.0000	0.0000	.0221	.0071		
3290	14.7482	0.0000	.8599	22.2000	0.0000	0.0000	0.0000	.0225	.0075		
3291	.1062	0.0000	.8578	22.2000	0.0000	0.0000	0.0000	.0235	.0078		

TEST		995		RUN		197					
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
3281	.1053	.3202	.0789	-.1264	.3202	.0481	-.1264	.3202	.0710	-.1264	1.0000
3282	-1.8519	.1589	.0876	-.1505	.1589	.0570	-.1505	.1589	.0796	-.1505	1.0000
3283	.1317	.3213	.0785	-.1259	.3213	.0478	-.1259	.3213	.0706	-.1259	1.0000
3284	2.1123	.4968	.0785	-.1068	.4968	.0475	-.1068	.4968	.0708	-.1068	1.0000
3285	4.1350	.6509	.0831	-.0763	.6509	.0521	-.0763	.6509	.0756	-.0763	1.0000
3286	6.1976	.7802	.0943	-.0386	.7802	.0637	-.0386	.7802	.0870	-.0386	1.0000
3287	8.2845	.8973	.1115	.0058	.8973	.0820	.0058	.8973	.1046	.0058	1.0000
3288	10.4162	1.0237	.1370	.0515	1.0237	.1079	.0515	1.0237	.1301	.0515	1.0000
3289	12.5816	1.1439	.1701	.1069	1.1439	.1408	.1069	1.1439	.1638	.1069	1.0000
3290	14.7482	1.2593	.2141	.1642	1.2593	.1848	.1642	1.2593	.2065	.1642	1.0000
3291	.1062	.3205	.0752	-.1260	.3205	.0439	-.1260	.3205	.0674	-.1260	1.0000

NASA LANGLEY											
TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 198							
POINT	HACH	Q N/(HXH)	ALPHA DEG	BETA DEG	P,INF N/(HXH)	CNF	CAF	CPH	CRM,B	CYM,B	CSF
3292	.400	10312	.11	-.00	92077	.3219	.0748	-.1263	.0002	.0006	.0027
3293	.400	10334	.15	-.00	92067	.5459	-.2432	-.2358	.0004	.0019	-.0003
3294	.400	10309	-1.78	-.00	92084	.3763	-.2306	-.2574	.0002	.0018	-.0007
3295	.401	10337	.21	-.00	92044	.5459	-.2477	-.2370	.0004	.0019	-.0005
3296	.400	10303	2.19	-.00	92087	.7186	-.2700	-.2174	-.0007	.0016	.0002
3297	.400	10309	4.21	-.00	92118	.8756	-.2978	-.1892	-.0017	.0006	.0012
3298	.400	10315	6.29	-.00	92094	1.0157	-.3276	-.1500	-.0008	.0014	-.0002
3299	.399	10263	8.38	-.00	92141	1.1591	-.3601	-.1108	-.0017	.0013	-.0005
3300	.401	10365	10.51	-.00	92030	1.3013	-.3936	-.0676	-.0025	.0011	-.0008
3301	.400	10322	12.69	-.00	92074	1.4345	-.4308	-.0164	-.0056	.0007	-.0002
3302	.402	10405	14.85	-.00	91987	1.5542	-.4619	.0508	-.0009	.0015	-.0029
3303	.400	10315	.18	-.00	92070	.5494	-.2691	-.2404	-.0001	.0020	-.0013
3304	.401	10371	.11	-.00	92010	.3222	.0692	-.1269	.0001	.0005	.0027

TEST		995		RUN		198			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CML,N	CMU,J	CO,N	CO,C
3292	.1108	0.0000	.8572	22.2000	0.0000	0.0000	0.0000	-.0238	.0078
3293	.1541	28.2589	2.9242	19.4813	.3190	.3226	0.0000	-.3196	.0105
3294	-1.7833	28.3418	2.9301	19.4372	.3211	.3247	0.0000	-.3212	.0107
3295	.2071	28.3901	2.9396	19.3650	.3214	.3250	0.0000	-.3220	.0106
3296	2.1900	28.4884	2.9466	19.3121	.3242	.3278	0.0000	-.3241	.0106
3297	4.2107	28.6210	2.9592	19.2166	.3269	.3306	0.0000	-.3255	.0103
3298	6.2882	28.8967	2.9726	19.1152	.3310	.3347	0.0000	-.3263	.0105
3299	8.3819	28.9222	2.9824	19.0412	.3337	.3374	0.0000	-.3282	.0106
3300	10.5077	29.0763	2.9959	18.9392	.3336	.3374	0.0000	-.3248	.0113
3301	12.6854	29.1912	3.0066	18.8579	.3371	.3409	0.0000	-.3255	.0118
3302	14.8491	29.2861	3.0148	18.7957	.3363	.3401	0.0000	-.3210	.0125
3303	.1846	29.4523	3.0326	18.6615	.3421	.3459	0.0000	-.3382	.0109
3304	.1113	0.0000	.8564	22.2000	0.0000	0.0000	0.0000	.0237	.0079

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TEST 995				7 X 10 HIGH SPEED TUNNEL							
				RUN 198							
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CMU,NOM
3292	.1108	.3218	.0754	-.1263	.3218	.0438	-.1263	.3218	.0676	-.1263	.3387
3293	.1541	.5465	-.2418	-.2358	.5457	.0667	-.1998	.5466	-.2682	-.2376	.3387
3294	-1.7833	.3690	-.2422	-.2574	.3790	.0681	-.2211	.3685	-.2667	-.2589	.3387
3295	.2071	.5468	-.2457	-.2370	.5456	.0651	-.2007	.5469	-.2698	-.2385	.3387
3296	2.1900	.7284	-.2423	-.2174	.7160	.0711	-.1808	.7288	-.2636	-.2186	.3387
3297	4.2107	.8951	-.2327	-.1892	.8710	.0830	-.1523	.8956	-.2510	-.1901	.3387
3298	6.2882	1.0455	-.2144	-.1500	1.0093	.1041	-.1126	1.0459	-.2287	-.1504	.3387
3299	8.3819	1.1992	-.1873	-.1108	1.1506	.1322	-.0732	1.1994	-.1991	-.1110	.3387
3300	10.5077	1.3513	-.1497	-.0676	1.2905	.1671	-.0299	1.3515	-.1622	-.0677	.3387
3301	12.6854	1.4941	-.1053	-.0164	1.4200	.2117	.0217	1.4936	-.1150	-.0161	.3387
3302	14.8491	1.6206	-.0482	.0500	1.5345	.2644	.0879	1.6203	-.0593	.0501	.3387
3303	.1846	.5502	-.2673	-.2404	.5491	.0638	-.2018	.5502	-.2711	-.2396	.3387
3304	.1113	.3220	.0698	-.1269	.3220	.0382	-.1269	.3220	.0619	-.1269	.3387

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7 X 10 HIGH SPEED TUNNEL

TEST		995		RUN		199					
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P.INF N/(MXM)	GNF	CAF	CPM	CRM,B	CYM,B	CSF
3316	.165	1919	.00	-.00	100921	.1674	.0452	-.0316	-.0016	.0006	-.0052
3317	.165	1912	-1.08	-.00	100921	.0181	.0483	-.1064	-.0019	-.0003	-.0016
3318	.165	1922	.04	-.00	100910	.1694	.0484	-.0304	-.0012	.0007	-.0064
3319	.165	1919	1.94	-.00	100914	.3060	.0439	.0470	-.0015	.0007	-.0031
3320	.165	1932	3.89	-.00	100900	.4584	.0367	.1302	-.0018	.0007	-.0020
3321	.164	1909	5.88	-.00	100924	.6169	.0254	.2185	-.0013	.0003	-.0001
3322	.165	1929	7.93	-.00	100904	.7724	.0123	.3024	-.0006	-.0003	.0022
3323	.164	1906	10.01	-.00	100927	.9441	.0025	.3843	-.0015	-.0001	-.0012
3324	.164	1909	12.10	-.00	100924	1.1147	-.0073	.4728	-.0008	.0003	.0031
3325	.165	1916	14.20	-.00	100914	1.2925	-.0154	.5638	-.0010	.0005	-.0003
3326	.164	1909	16.23	-.00	100917	1.4465	-.0258	.6401	-.0003	.0006	-.0018
3327	.164	1906	18.20	-.00	100920	1.5989	-.0316	.7199	-.0007	.0003	-.0004
3328	.165	1912	20.20	-.00	100914	1.7428	-.0397	.8072	.0001	.0007	-.0025
3329	.162	1863	21.89	-.00	100964	1.8686	-.0473	.8835	.0004	.0011	-.0004
3330	.164	1889	-.00	.00	100937	.1676	.0492	-.0306	-.0006	.0007	-.0092

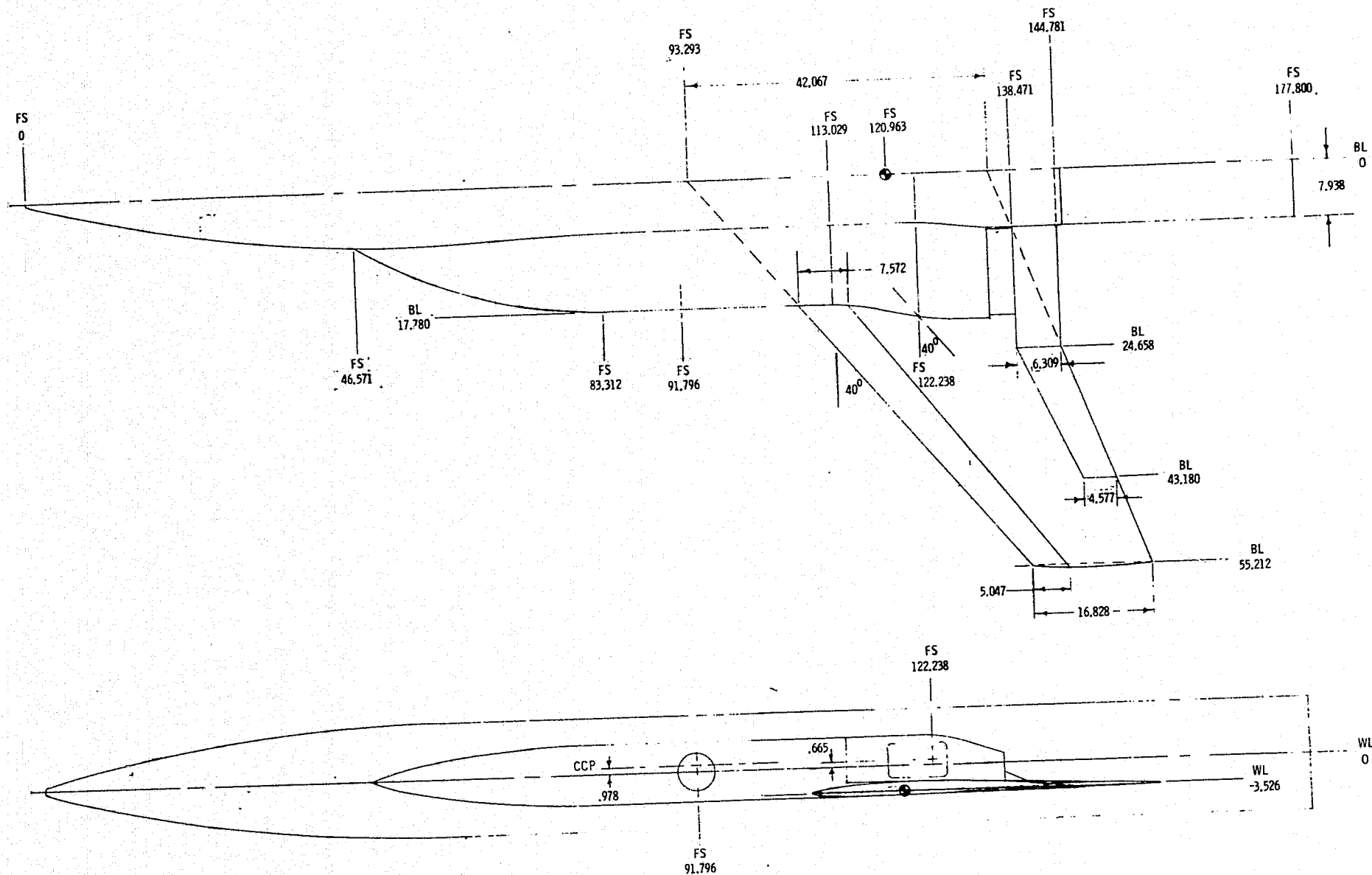
TEST		995		RUN		199					
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CMU,N	CMU,J	CD,N	CD,C		
3316	.0000	0.0000	.9790	4.4623	0.0000	0.0000	0.0000	.0211	.0076		
3317	-1.8825	0.0000	.9808	4.4654	0.0000	0.0000	0.0000	.0194	.0077		
3318	.0396	0.0000	.9817	4.4671	0.0000	0.0000	0.0000	.0184	.0076		
3319	1.9363	0.0000	.9840	4.4712	0.0000	0.0000	0.0000	.0161	.0076		
3320	3.8932	0.0000	.9849	4.4728	0.0000	0.0000	0.0000	.0151	.0075		
3321	5.8763	0.0000	.9865	4.4757	0.0000	0.0000	0.0000	.0136	.0075		
3322	7.9306	0.0000	.9873	4.4772	0.0000	0.0000	0.0000	.0126	.0075		
3323	10.0120	0.0000	.9885	4.4793	0.0000	0.0000	0.0000	.0115	.0076		
3324	12.1005	0.0000	.9884	4.4791	0.0000	0.0000	0.0000	.0115	.0077		
3325	14.1974	0.0000	.9888	4.4799	0.0000	0.0000	0.0000	.0109	.0080		
3326	16.2298	0.0000	.9900	4.4819	0.0000	0.0000	0.0000	.0098	.0081		
3327	18.2010	0.0000	.9913	4.4843	0.0000	0.0000	0.0000	.0084	.0081		
3328	20.2023	0.0000	.9903	4.4826	0.0000	0.0000	0.0000	.0092	.0081		
3329	21.8917	0.0000	.9903	4.4826	0.0000	0.0000	0.0000	.0093	.0082		
3330	-.0001	0.0000	.9930	4.4874	0.0000	0.0000	0.0000	.0072	.0077		

TEST		995		RUN		199					
POINT	ALPHA DEG	CL	CD	CM	CL, EQ	CD, EQ	CM, EQ	CL, NOM	CD, NOM	CM, NOM	CMU, NOM
3316	.0000	.1674	.0452	-.0316	.1674	.0166	-.0316	.1674	.0377	-.0316	1.0000
3317	-1.8825	.0197	.0476	-.1064	.0197	.0205	-.1064	.0197	.0400	-.1064	1.0000
3318	.0396	.1694	.0485	-.0304	.1694	.0224	-.0304	.1694	.0489	-.0304	1.0000
3319	1.9363	.3044	.0542	.0470	.3044	.0305	.0470	.3044	.0466	.0470	1.0000
3320	3.8932	.4549	.0678	.1302	.4549	.0452	.1302	.4549	.0602	.1302	1.0000
3321	5.8763	.6110	.0884	.2185	.6110	.0673	.2185	.6110	.0809	.2185	1.0000
3322	7.9306	.7633	.1187	.3024	.7633	.0986	.3024	.7633	.1112	.3024	1.0000
3323	10.0120	.9293	.1666	.3843	.9293	.1475	.3843	.9293	.1591	.3843	1.0000
3324	12.1005	1.0915	.2265	.4728	1.0915	.2073	.4728	1.0915	.2188	.4728	1.0000
3325	14.1974	1.2568	.3021	.5638	1.2568	.2831	.5638	1.2568	.2941	.5638	1.0000
3326	16.2298	1.3961	.3795	.6401	1.3961	.3617	.6401	1.3961	.3714	.6401	1.0000
3327	18.2010	1.5288	.4694	.7199	1.5288	.4528	.7199	1.5288	.4613	.7199	1.0000
3328	20.2023	1.6493	.5646	.8072	1.6493	.5473	.8072	1.6493	.5565	.8072	1.0000
3329	21.8917	1.7514	.6528	.8835	1.7514	.6353	.8835	1.7514	.6446	.8835	1.0000
3330	-.0001	.1676	.0492	-.0306	.1676	.0343	-.0306	.1676	.0415	-.0306	1.0000

NASA LANGLEY											
TEST			7 X 10 HIGH SPEED TUNNEL								
995			200								
POINT	MACH	Q N/(MXM)	ALPHA DEG	BETA DEG	P,INF N/(MXM)	CNF	CAF	GPM	CRM,B	CYM,B	CSF
3331	.164	1902	-.01	.00	100931	.1502	.0533	-.0206	-.0007	.0007	-.0114
3332	.166	1939	.00	-.00	100887	.4191	-1.5357	-.1927	-.0014	.0044	.0019
3333	.166	1939	-1.90	-.00	100887	.2529	-1.5305	-.2620	-.0023	.0039	-.0011
3334	.166	1942	.05	-.00	100880	.4006	-1.4872	-.1770	-.0015	.0038	.0072
3335	.164	1909	1.95	-.00	100917	.5724	-1.5159	-.1108	-.0012	.0046	.0035
3336	.164	1909	3.91	-.00	100914	.7498	-1.5305	-.0297	-.0012	.0044	.0034
3337	.165	1922	5.92	-.00	100904	.9236	-1.5412	.0542	-.0012	.0044	.0057
3338	.165	1919	7.94	-.00	100907	1.1018	-1.5671	.1332	-.0002	.0036	.0066
3339	.164	1892	10.02	-.00	100934	1.3181	-1.6689	.1974	-.0010	.0038	.0048
3340	.165	1926	12.14	-.00	100987	1.5178	-1.6666	.2773	-.0010	.0036	.0011
3341	.166	1939	14.24	-.00	100894	1.7257	-1.6144	.3714	.0001	.0038	.0026
3342	.165	1932	16.23	-.00	100900	1.9392	-1.6441	.4357	.0022	.0031	-.0043
3343	.166	1935	18.25	-.00	100900	2.1721	-1.6698	.4939	.0024	.0040	-.0017
3344	.166	1935	20.26	-.00	100904	2.4015	-1.6976	.5678	.0029	.0041	-.0015
3345	.164	1889	21.98	-.00	100951	2.6091	-1.7701	.6299	.0033	.0045	.0019
3346	.166	1935	.04	-.00	100894	.4298	-1.6398	-.2059	-.0020	.0045	-.0053
3347	.165	1912	-.03	.00	100921	.1605	-.0044	-.0372	-.0006	.0011	-.0100

TEST		995			RUN		200			
POINT	ALPHA DEG	WT FLOW N/SEC	NPR	THETA,T DEG	CT	CHU,N	CHU,J	CD,N	CD,C	
3331	-.0052	.0550	.9946	4.4983	0.0000	0.0000	0.0000	.0055	.0075	
3332	.0023	28.7269	2.8770	7.8786	1.7219	1.4946	.2466	-1.8724	.0383	
3333	-1.9009	28.7581	2.8854	7.8937	1.7237	1.4963	.2468	-1.8797	.0383	
3334	.0503	28.1896	2.8122	7.7620	1.6662	1.4462	.2387	-1.8846	.0371	
3335	1.9452	28.0233	2.8092	7.7566	1.6845	1.4622	.2412	-1.8324	.0379	
3336	3.9119	28.1312	2.8200	7.7760	1.6947	1.4711	.2426	-1.8400	.0387	
3337	5.9167	28.5161	2.8292	7.7926	1.7085	1.4829	.2447	-1.8309	.0393	
3338	7.9371	28.9284	2.8378	7.8080	1.7403	1.5107	.2492	-1.8348	.0397	
3339	10.0156	29.1939	2.9217	7.9590	1.8047	1.5666	.2584	-1.9348	.0418	
3340	12.1446	29.3478	2.9345	7.9821	1.7875	1.5517	.2568	-1.8999	.0414	
3341	14.2406	28.6603	2.8692	7.8645	1.7194	1.4925	.2463	-1.8074	.0397	
3342	16.2344	28.7878	2.8885	7.8993	1.7399	1.5102	.2492	-1.8152	.0398	
3343	18.2508	28.8916	2.9048	7.9273	1.7491	1.5184	.2504	-1.8071	.0396	
3344	20.2623	29.0199	2.9182	7.9528	1.7620	1.5296	.2522	-1.7984	.0399	
3345	21.9791	29.2403	2.9392	7.9905	1.8259	1.5850	.2613	-1.8420	.0415	
3346	.0377	29.5332	2.9705	8.0468	1.8104	1.5716	.2591	-1.9691	.0394	
3347	-.0028	0.0000	1.0082	4.5147	0.0000	0.0000	0.0000	-.0083	.0073	

NASA LANGLEY											
TEST			200								
995			200								
POINT	ALPHA DEG	CL	CD	CM	CL,EQ	CD,EQ	CM,EQ	CL,NOM	CD,NOM	CM,NOM	CHU,NOM
3331	-.0052	.1502	.0533	-.0206	.1502	.0403	-.0206	.1502	.0458	-.0206	1.0000
3332	.0023	.4192	-1.5357	-.1927	.4191	.1479	.0015	.4192	-1.6321	-.1993	1.0000
3333	-1.9009	.2018	-1.5460	-.2620	.2589	.1384	-.0676	.1999	-1.6406	-.2684	1.0000
3334	.0503	.4019	-1.4869	-.1770	.4004	.1422	.0109	.4020	-1.6378	-.1899	1.0000
3335	1.9452	.6235	-1.4956	-.1108	.5664	.1501	.0792	.6268	-1.6289	-.1216	1.0000
3336	3.9119	.8525	-1.4758	-.0297	.7369	.1762	.1615	.8583	-1.5997	-.0393	1.0000
3337	5.9167	1.0776	-1.4378	.0542	.9015	.2223	.2469	1.0858	-1.5482	.0461	1.0000
3338	7.9371	1.3077	-1.3999	.1332	1.0674	.2841	.3295	1.3131	-1.4769	.1287	1.0000
3339	10.0156	1.5883	-1.4142	.1974	1.2744	.3212	.4010	1.5840	-1.4316	.2022	1.0000
3340	12.1446	1.8345	-1.3100	.2773	1.4584	.3962	.4789	1.8329	-1.3440	.2781	1.0000
3341	14.2406	2.0698	-1.1403	.3714	1.6468	.4866	.5654	2.0847	-1.2387	.3646	1.0000
3342	16.2344	2.3215	-1.0364	.4357	1.8358	.5943	.6328	2.3327	-1.1147	.4312	1.0000
3343	18.2508	2.5858	-.9055	.4939	2.0380	.7160	.6912	2.5954	-.9744	.4984	1.0000
3344	20.2623	2.8408	-.7688	.5678	2.2386	.8522	.7666	2.8478	-.8176	.5658	1.0000
3345	21.9791	3.0820	-.6650	.6299	2.3986	.9867	.8359	3.0643	-.6639	.6351	1.0000
3346	.0377	.4309	-1.6396	-.2859	.4297	.1314	-.0016	.4309	-1.6486	-.2824	1.0000
3347	-.0028	.1605	-.0044	-.0372	.1685	-.0834	-.0372	.1695	-.0117	-.0372	1.0000



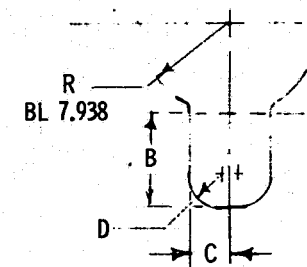
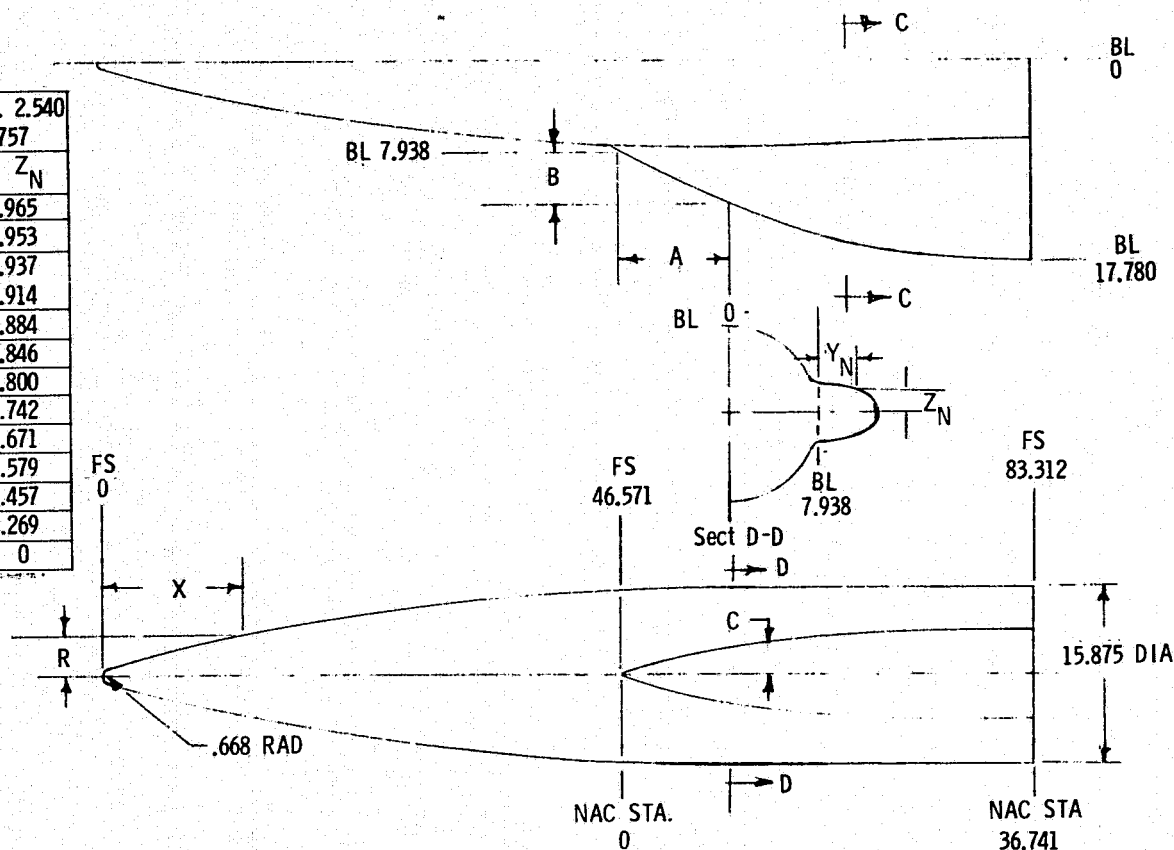
(a) Basic model

Figure 1.- Drawing of model components. (All dimensions in cm unless noted.)

Nose Geometry	
X	R
0	0
.668	L.E.R.
.635	.691
3.175	1.349
5.715	1.976
10.795	3.137
15.875	4.171
20.955	5.080
26.035	5.865
31.115	6.523
38.735	7.275
46.355	7.744
55.245	7.938
83.312	7.938

NAC. STA. 2.540 BL 7.757	
Y _N	Z _N
0	.965
.254	.953
.381	.937
.508	.914
.635	.884
.762	.846
.889	.800
1.016	.742
1.143	.671
1.270	.579
1.400	.457
1.524	.269
1.588	0

Nacelle Geometry			
A	B	C	D
0	0	0	0
1.270	.716	.508	None
2.540	1.407	.965	
5.080	2.743	1.613	
7.620	3.922	2.134	
10.160	4.978	2.515	
12.700	5.954	2.858	
16.510	7.209	3.302	
20.320	8.221	3.683	3.683
25.400	9.190	3.975	2.769
30.480	9.726	4.094	1.880
34.201	9.843	↓	1.372
36.741	↓	4.094	1.270



Sect C-C

NAC. STA. 7.620		NAC. STA. 12.700		NAC. STA. 16.510	
BL 7.920		BL 7.938		BL 7.938	
Y _N	Z _N	Y _N	Z _N	Y _N	Z _N
0	2.134	0	2.858	0	3.302
.254	2.129	.508	2.847	2.858	↓
.508	2.116	1.016	2.814	3.556	3.259
.762	2.093	1.524	2.761	4.064	3.172
1.016	2.062	2.032	2.685	4.572	3.035
1.270	2.019	2.540	2.568	5.080	2.840
1.524	1.969	3.048	2.454	5.334	2.715
1.778	1.902	3.556	2.289	5.588	2.570
2.032	1.826	4.064	2.085	5.842	2.403
2.286	1.737	4.318	1.963	6.096	2.205
2.540	1.631	4.572	1.826	6.350	1.969
2.794	1.504	4.826	1.669	6.604	1.679
3.048	1.351	5.080	1.483	6.858	1.298
3.302	1.161	5.334	1.260	7.112	.691
3.556	.917	5.588	.973	7.209	0
3.810	.538	5.842	.526		
3.937	0	5.954	0		

Forward fuselage geometry

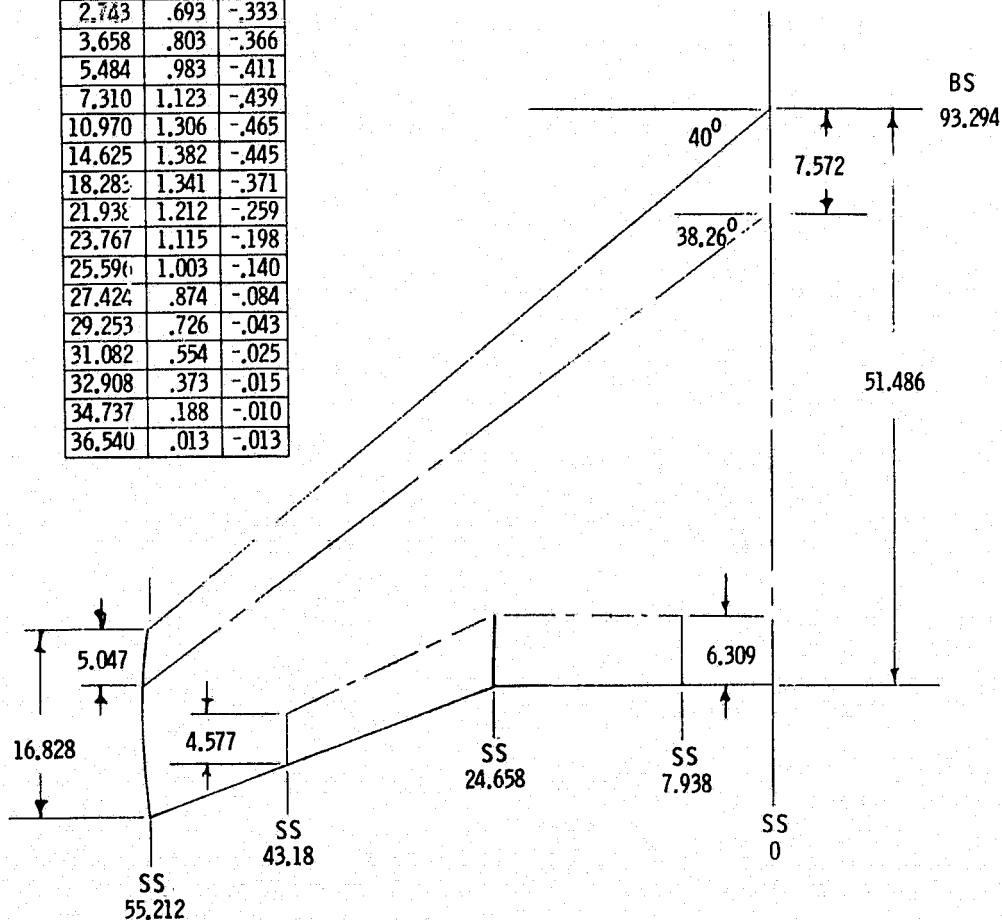
(a) Concluded.

Figure 1.- Continued.

SS 7.938		
X	Z _U	Z _L
0	0	0
.043	.099	-.071
.089	.137	-.099
.135	.165	-.119
.178	.191	-.135
.224	.213	-.147
.335	.259	-.175
1.120	.478	-.279
2.240	.686	-.358
3.360	.848	-.409
4.483	.986	-.447
6.723	1.207	-.503
8.964	1.374	-.538
13.447	1.598	-.569
17.930	1.692	-.546
22.413	1.646	-.452
26.894	1.483	-.318
29.136	1.369	-.241
31.377	1.232	-.170
33.619	1.072	-.104
35.860	.892	-.051
38.100	.678	-.030
40.343	.457	-.018
42.583	.231	-.010
44.823	.013	-.013

SS 17.780		
X		
0	0	0
.036	.081	-.058
.071	.112	-.081
.109	.135	-.097
.145	.155	-.109
.183	.173	-.122
.272	.211	-.145
.914	.389	-.203
1.829	.561	-.292
2.743	.693	-.333
3.658	.803	-.366
5.484	.983	-.411
7.310	1.123	-.439
10.970	1.306	-.465
14.625	1.382	-.445
18.283	1.341	-.371
21.938	1.212	-.259
23.767	1.115	-.198
25.596	1.003	-.140
27.424	.874	-.084
29.253	.726	-.043
31.082	.554	-.025
32.908	.373	-.015
34.737	.188	-.010
36.540	.013	-.013

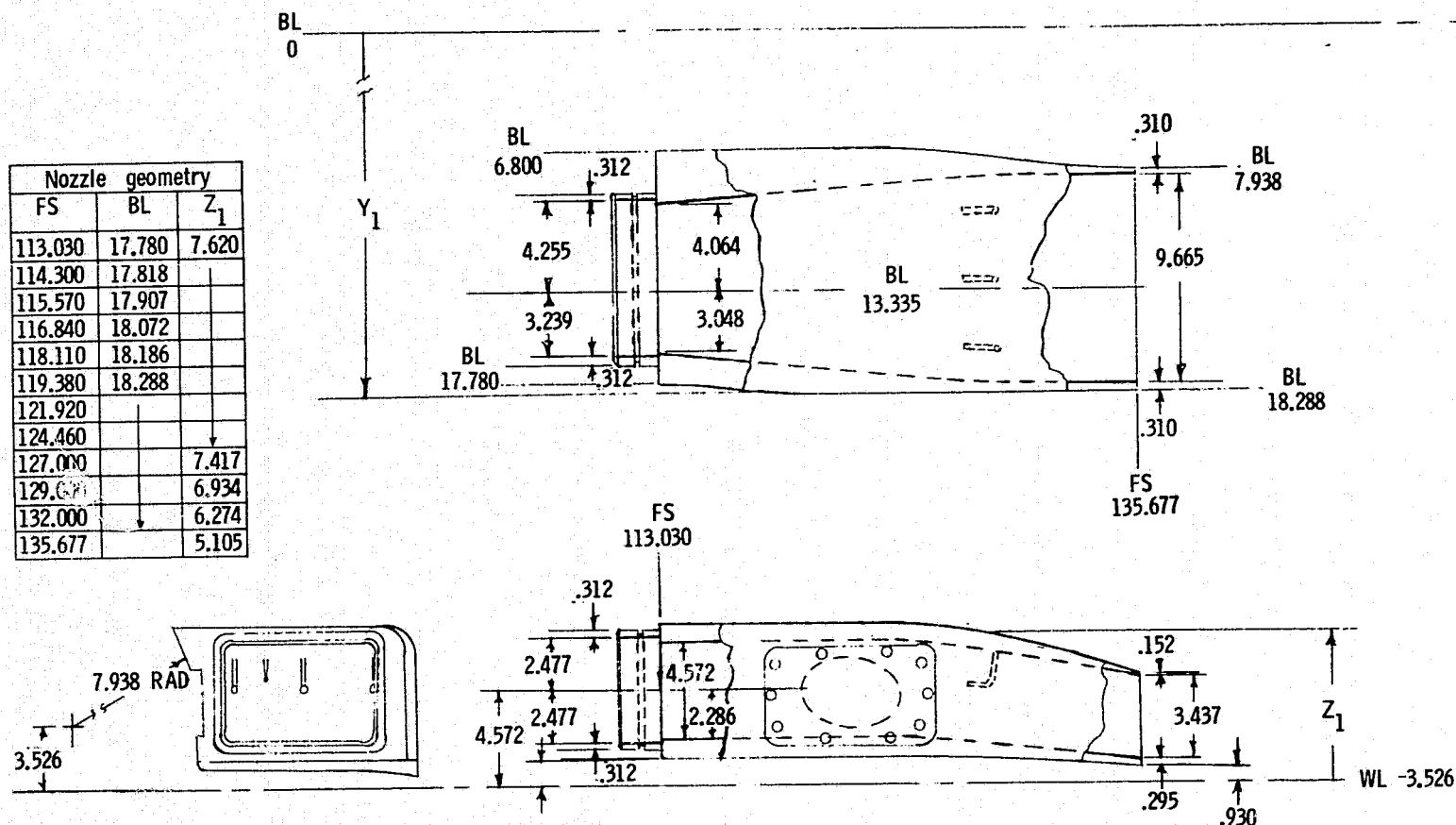
SS 24.658		
X		
0	-.216	-.216
.030	-.147	-.264
.061	-.122	-.282
.091	-.099	-.297
.122	-.084	-.307
.152	-.069	-.318
.229	-.036	-.335
.770	+.117	-.404
1.539	.267	-.450
2.309	.384	-.480
3.078	.483	-.503
4.618	.645	-.528
6.160	.772	-.544
9.238	.947	-.541
12.316	1.034	-.505
15.397	1.024	-.419
18.476	.932	-.305
20.015	.864	-.218
21.557	.780	-.180
23.096	.683	-.124
24.635	.569	-.079
26.175	.434	-.053
27.714	.292	-.033
29.256	.147	-.018
30.795	.013	-.013



(b) Wing

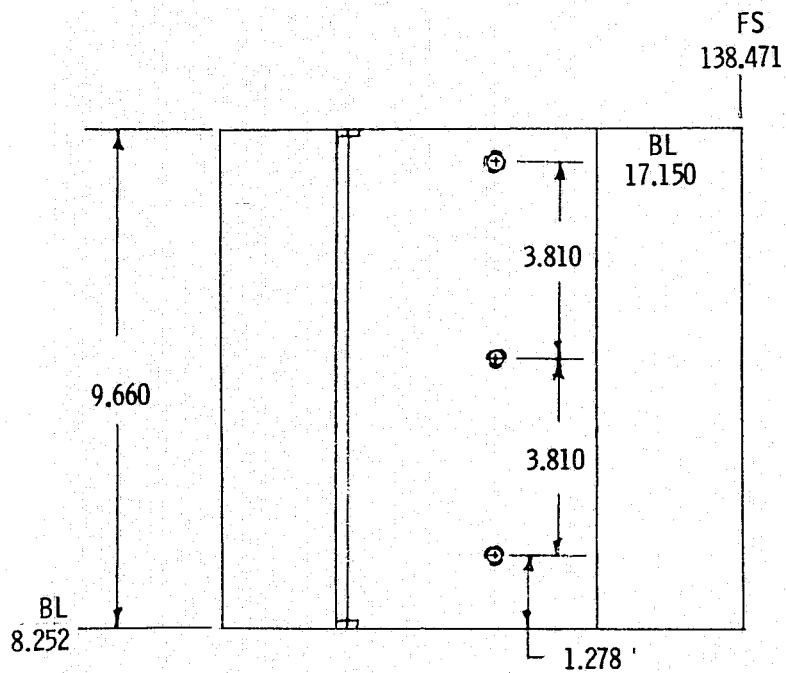
Figure 1.- Continued.

Nozzle geometry		
FS	BL	Z ₁
113.030	17.780	7.620
114.300	17.818	
115.570	17.907	
116.840	18.072	
118.110	18.186	
119.380	18.288	
121.920		
124.460		
127.000		7.417
129.000		6.934
132.000		6.274
135.677		5.105



(c) Drawing at AR 4 nozzle

Figure 1.- Continued.



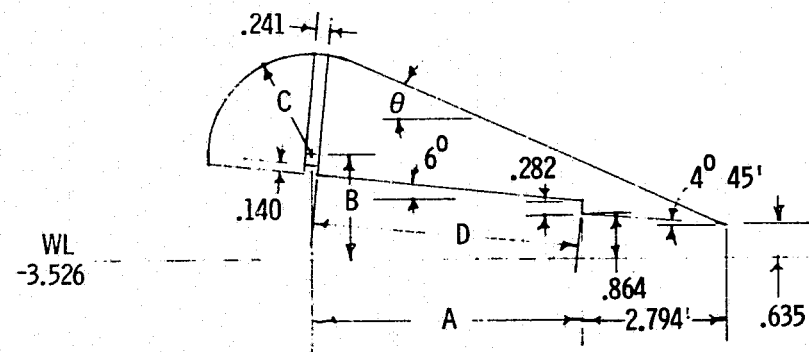
BOTTOM VIEW

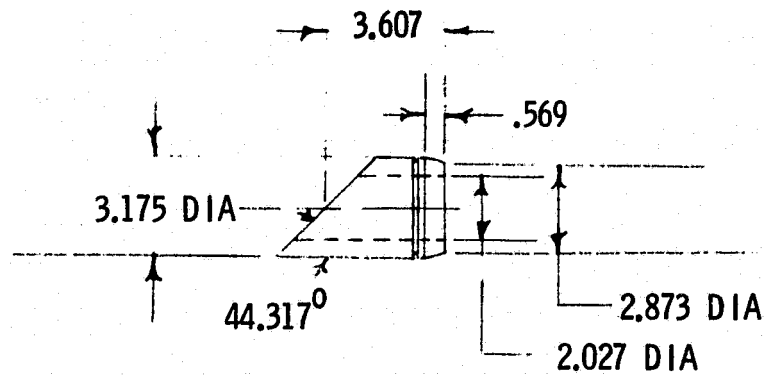
Nozzle throttle plug for AR 4 nozzle

(c) Continued,

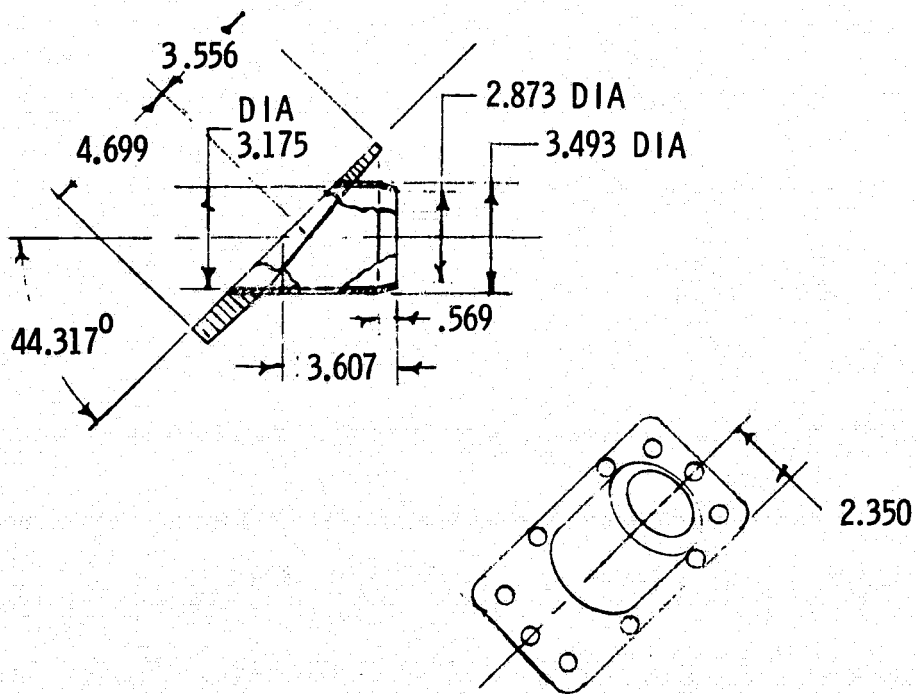
Figure 1.- Continued.

A	B	C	D	θ
5.080	1.046	2.296	5.080	20°
5.227	1.575	2.174	5.080	22°
5.410	2.103	1.984	5.334	24°





Nozzle insert (.5 in.² exit)

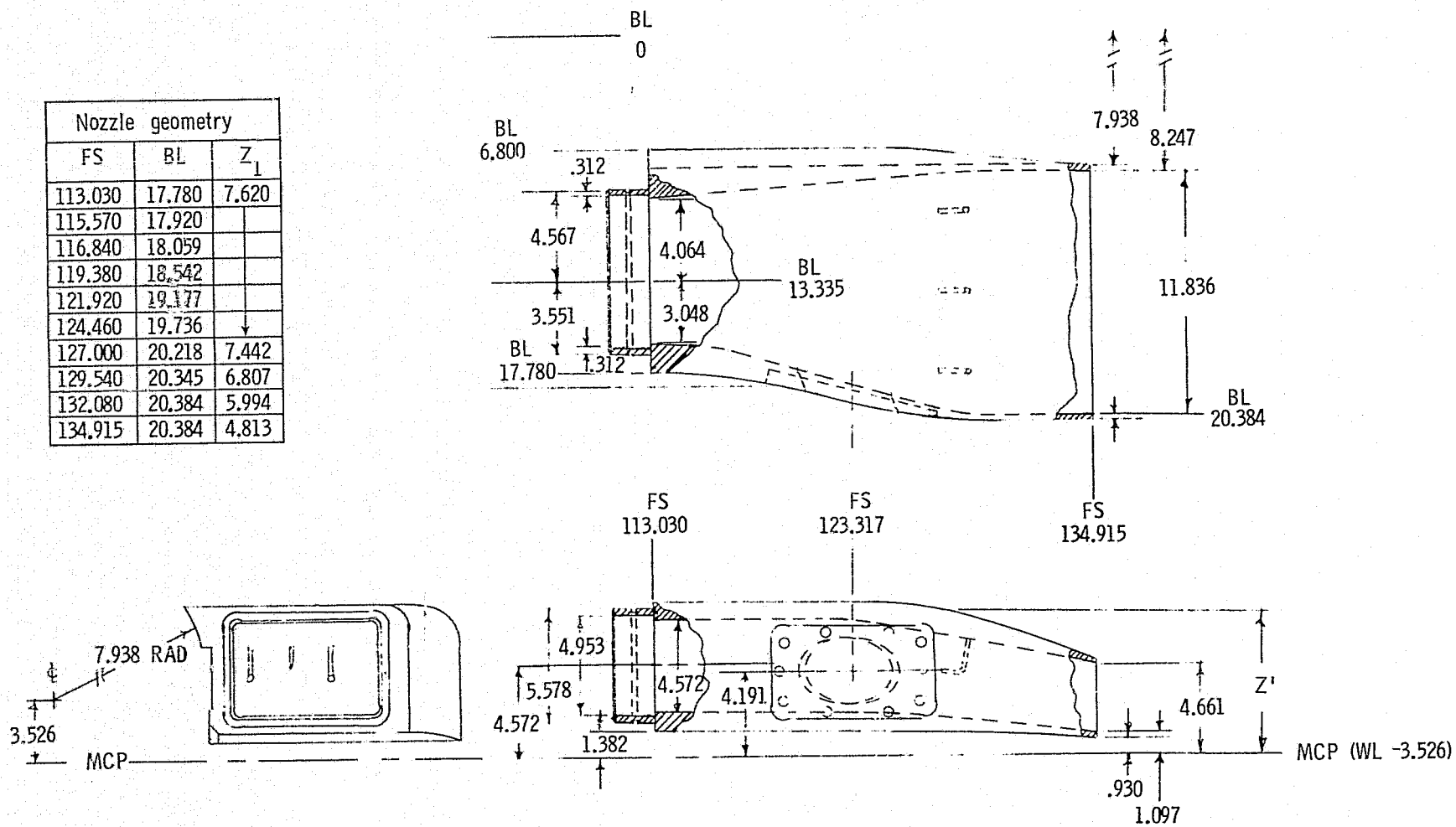


Spanwise nozzle for AR 4 nozzle

(c) Concluded.

Figure 1.- Continued.

Nozzle geometry		
FS	BL	Z ₁
113.030	17.780	7.620
115.570	17.920	
116.840	18.059	
119.380	18.542	
121.920	19.177	
124.460	19.736	
127.000	20.218	7.442
129.540	20.345	6.807
132.080	20.384	5.994
134.915	20.384	4.813



(d) Drawing of AR 6 nozzle

Figure 1.- Continued.

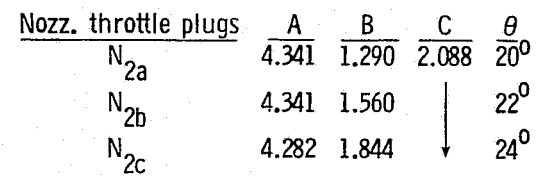
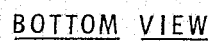
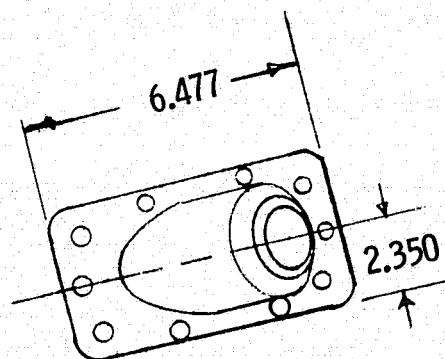
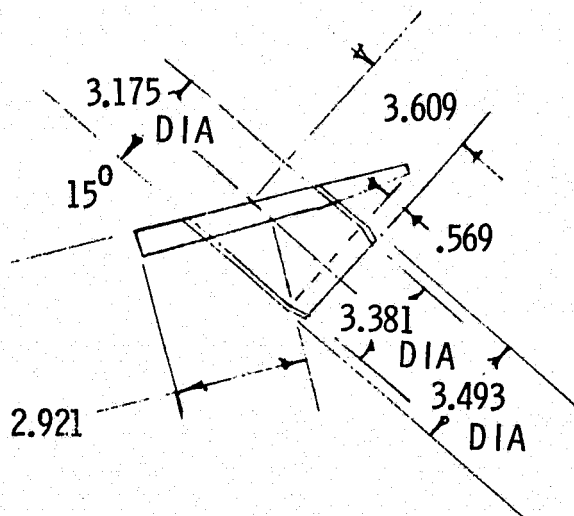
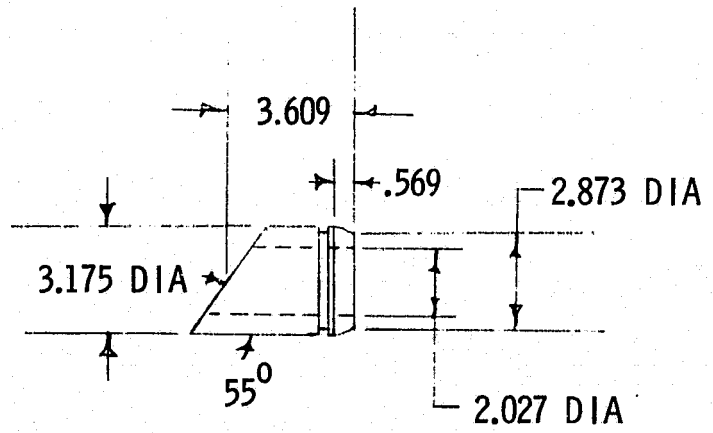


Figure 1.- Continued.

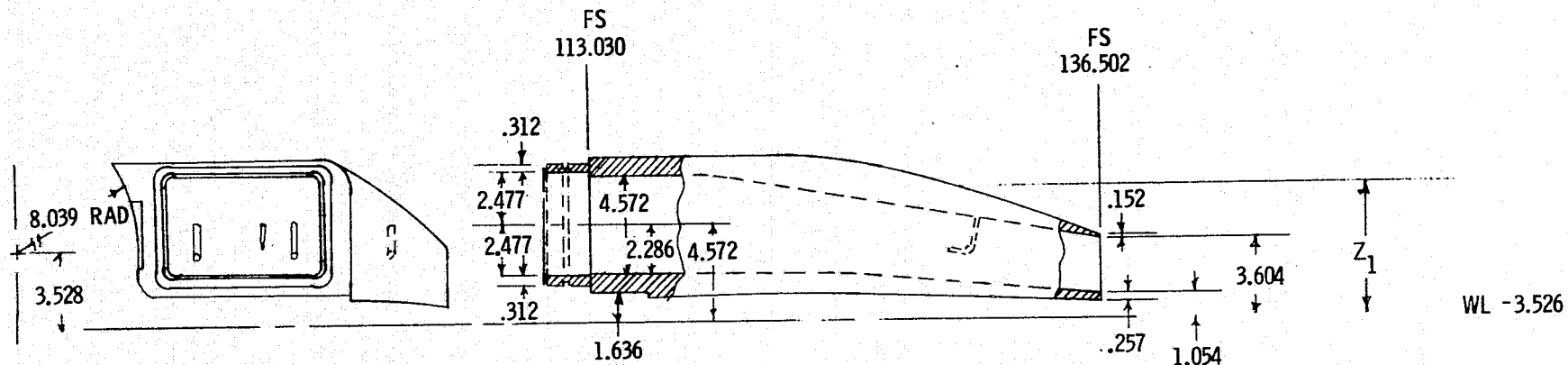
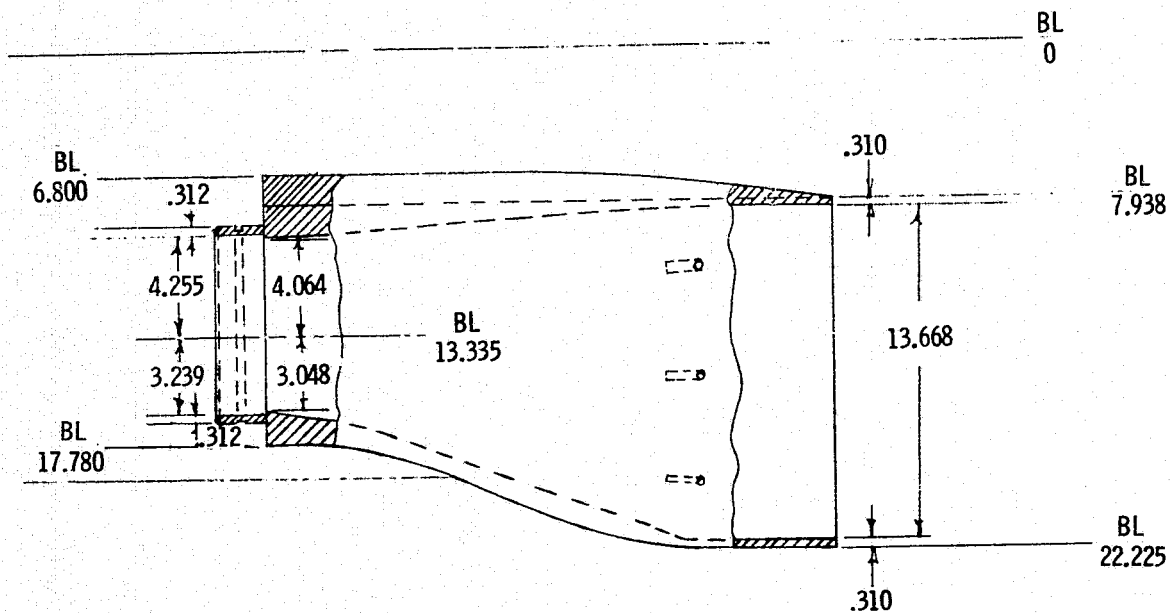


Spanwise nozzle for AR 6 nozzle

(d) Concluded.

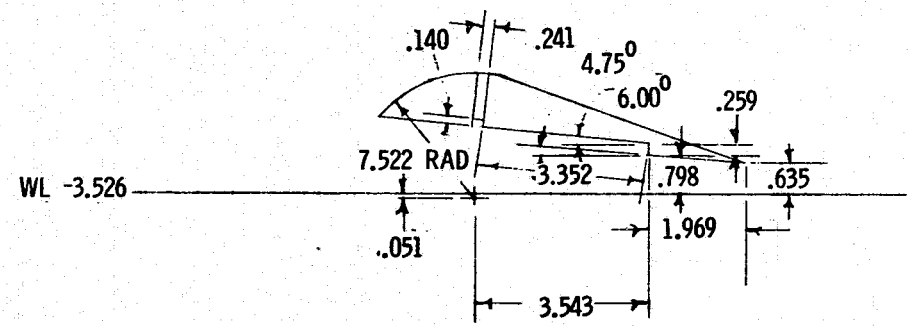
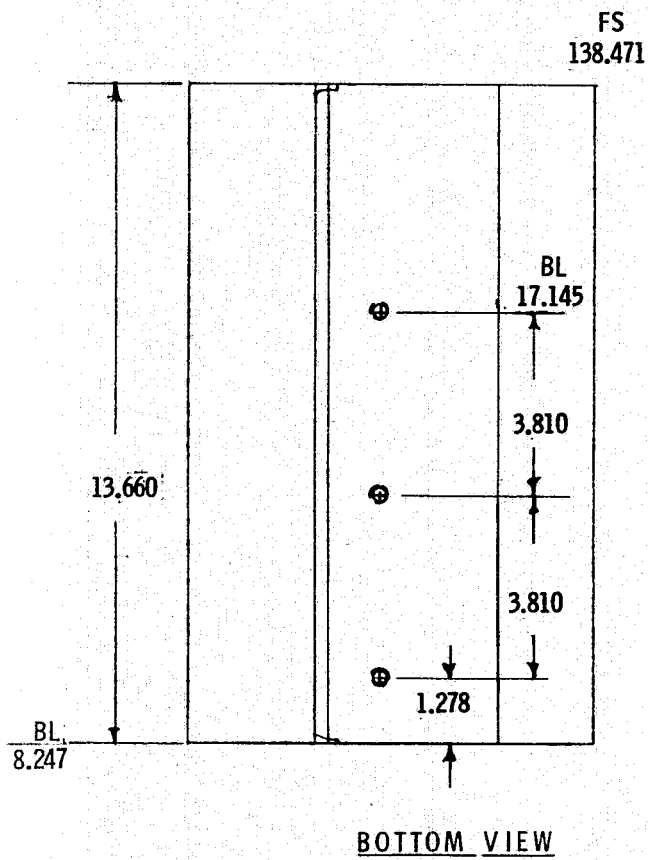
Figure 1.- Continued.

Nozzle geometry		
FS	BL	Z ₁
113.030	17.780	7.620
114.300	17.831	
116.840	18.085	
119.380	19.228	
121.920	19.634	
122.555	19.914	
124.460	20.777	7.493
127.000	21.641	7.061
129.540	22.073	6.401
132.080	22.225	5.537
134.620	22.225	4.559
136.502	22.225	3.759

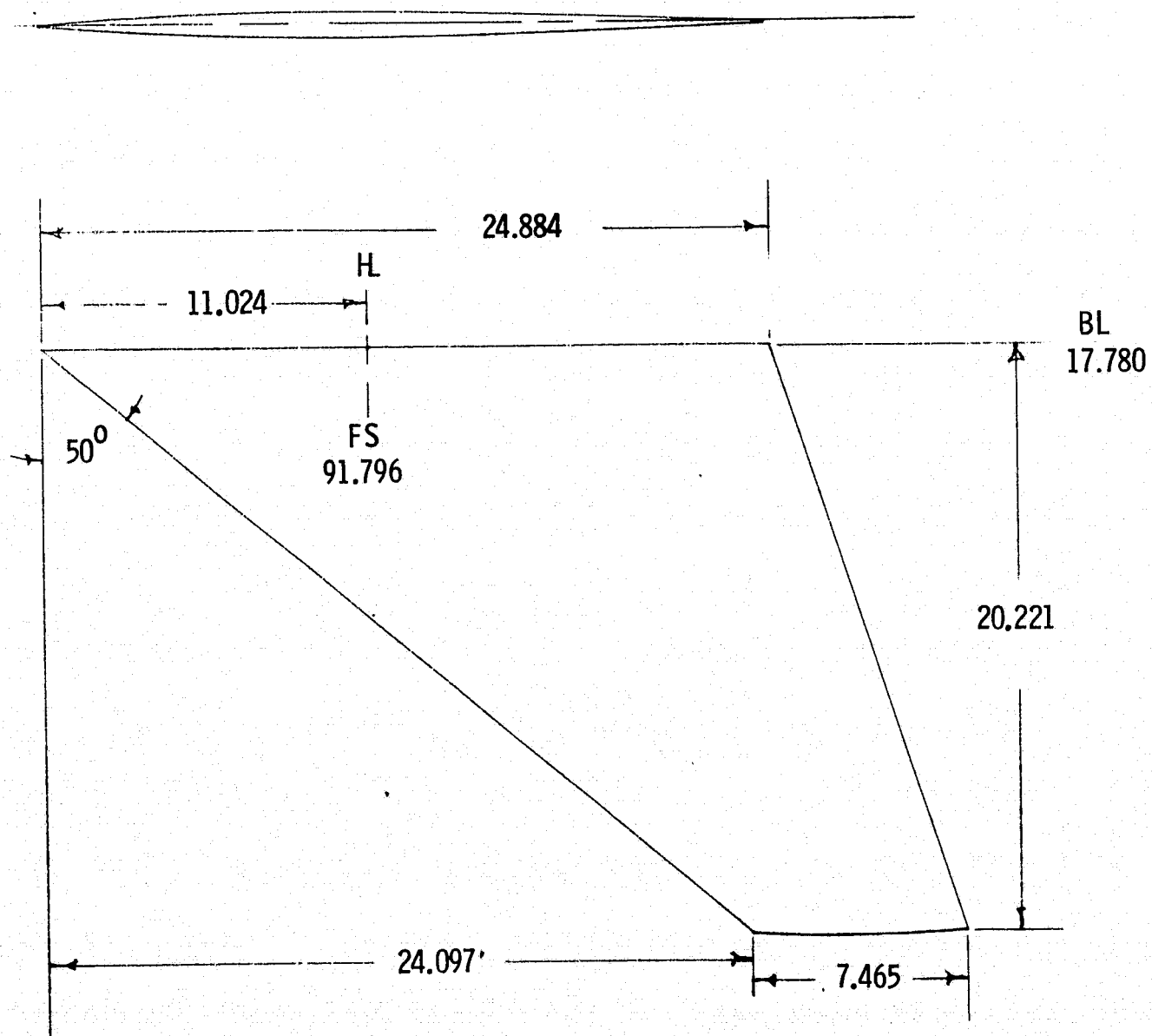


(e) Drawing for AR 8 nozzle

Figure 1.- Continued.

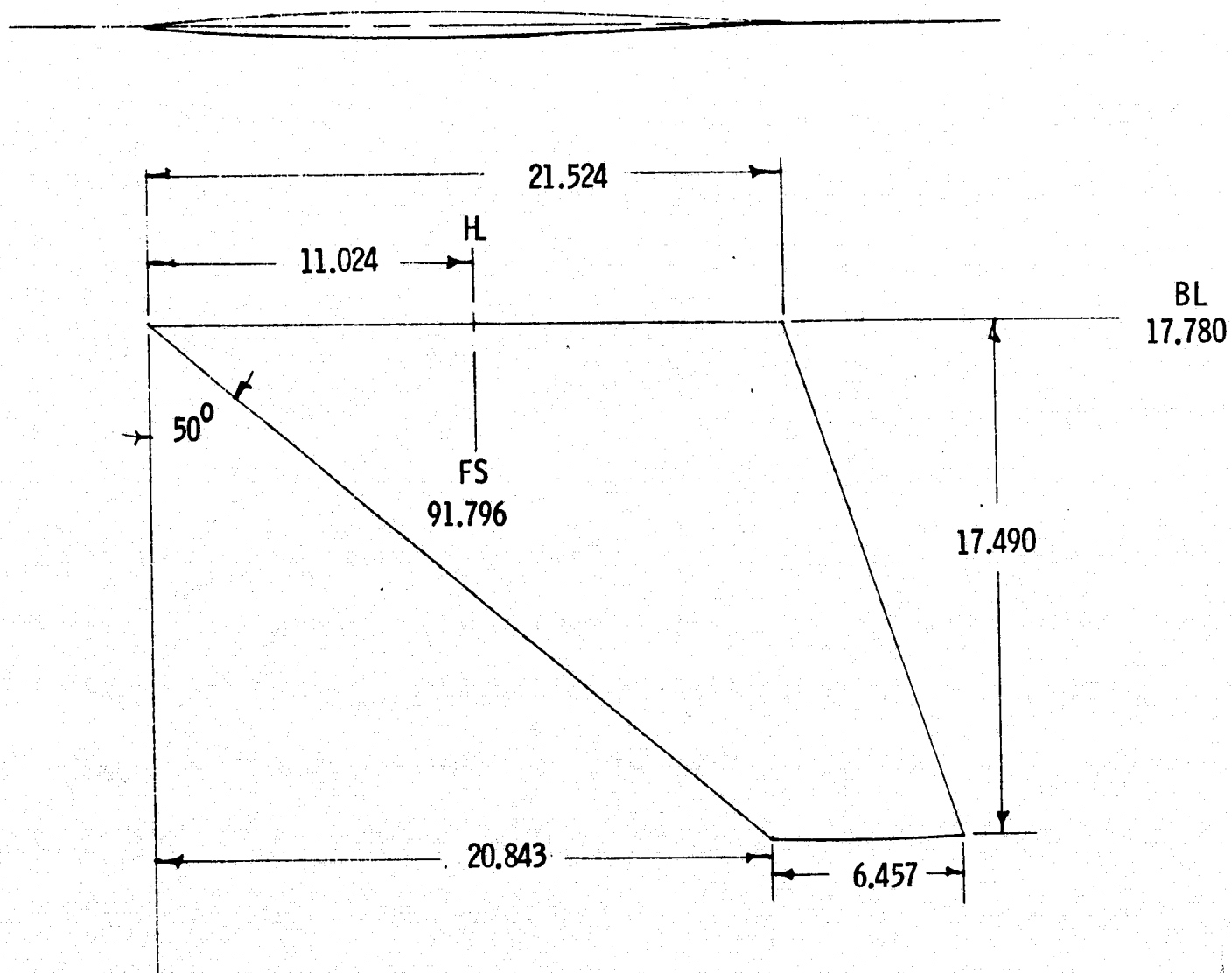


Nozzle throttle plug for AR 8 nozzle
(e) Concluded.
Figure 1.- Continued.



(f) Large canard (H₂)

Figure 1.- Continued.



(g) Small canard (H₁)
Figure 1.- Concluded.

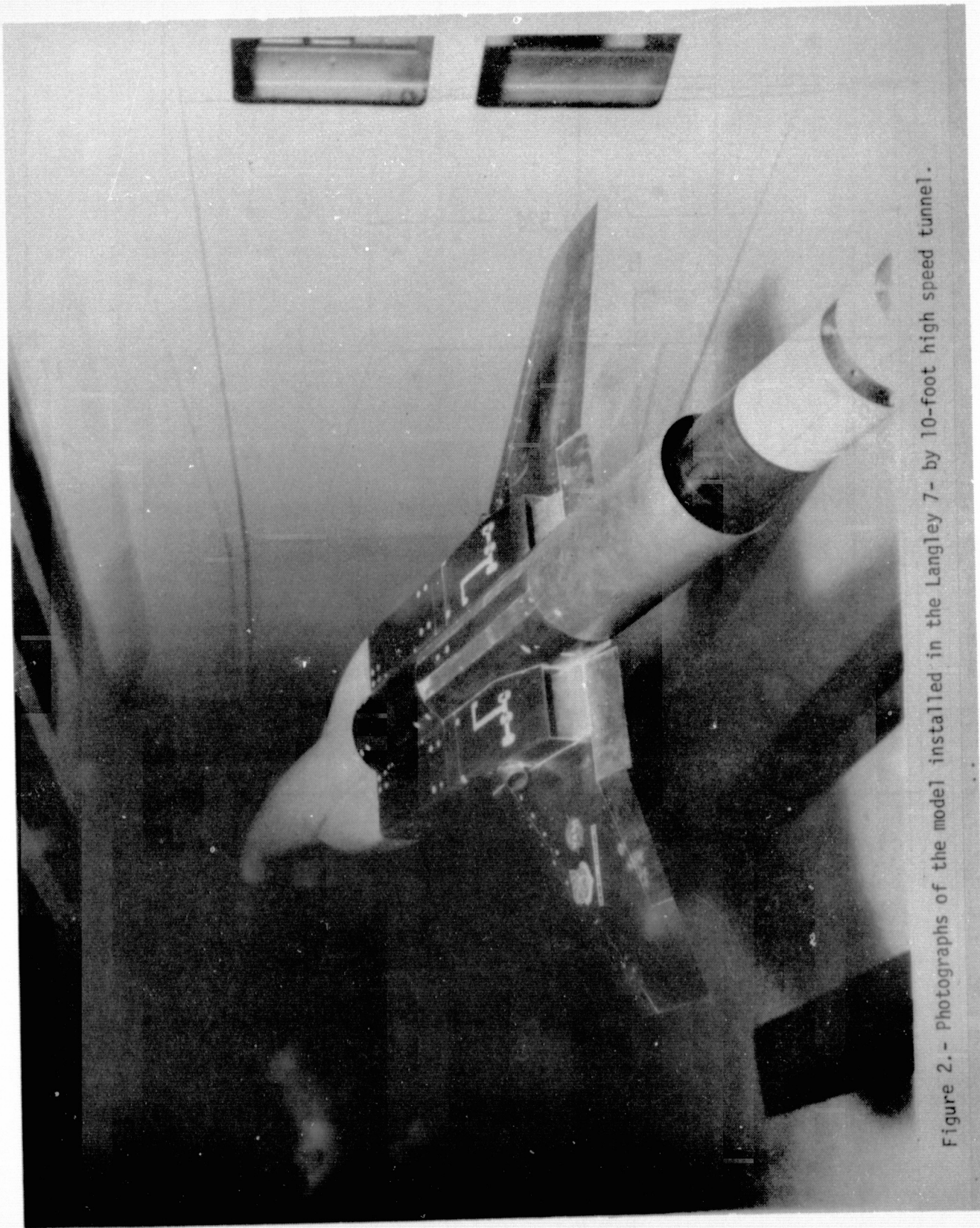


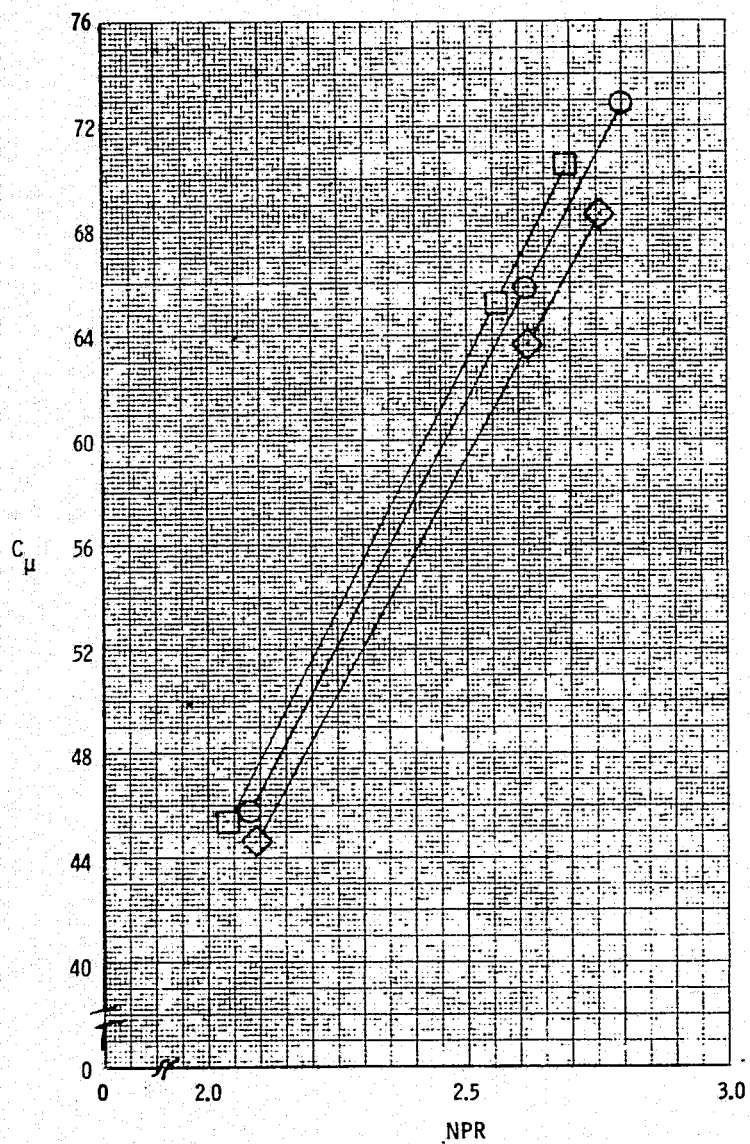
Figure 2.- Photographs of the model installed in the Langley 7- by 10-foot high speed tunnel.

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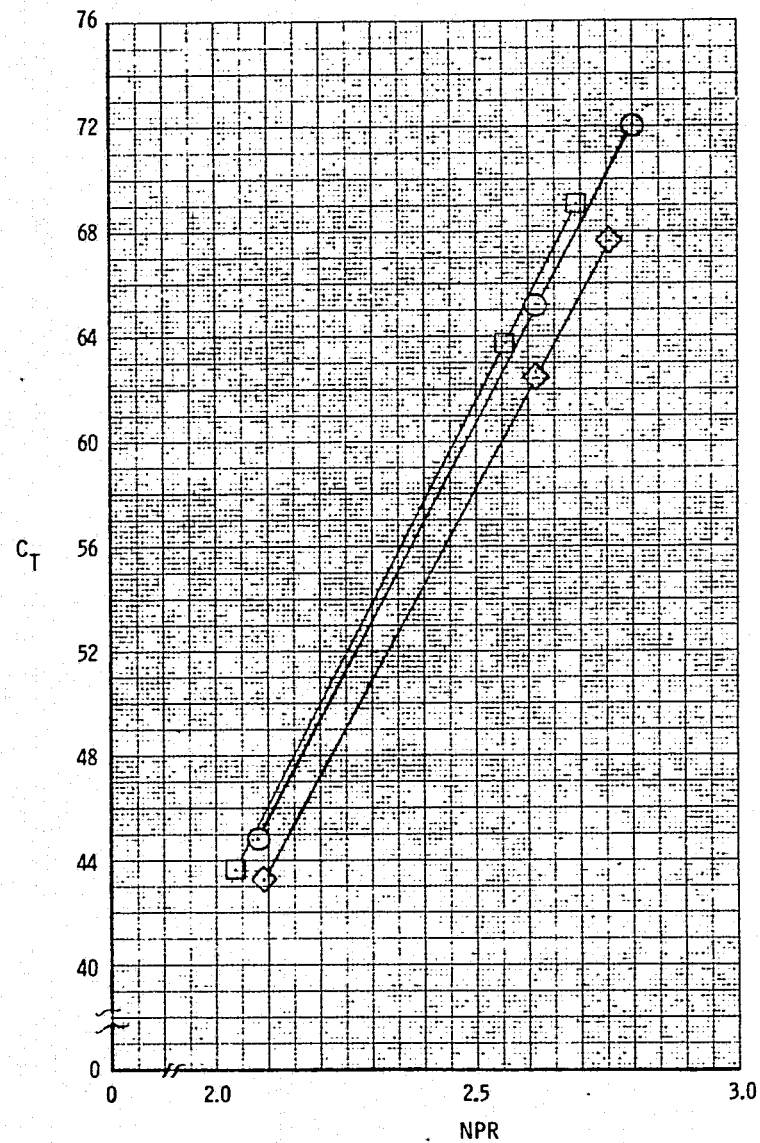


Figure 2.- Concluded.

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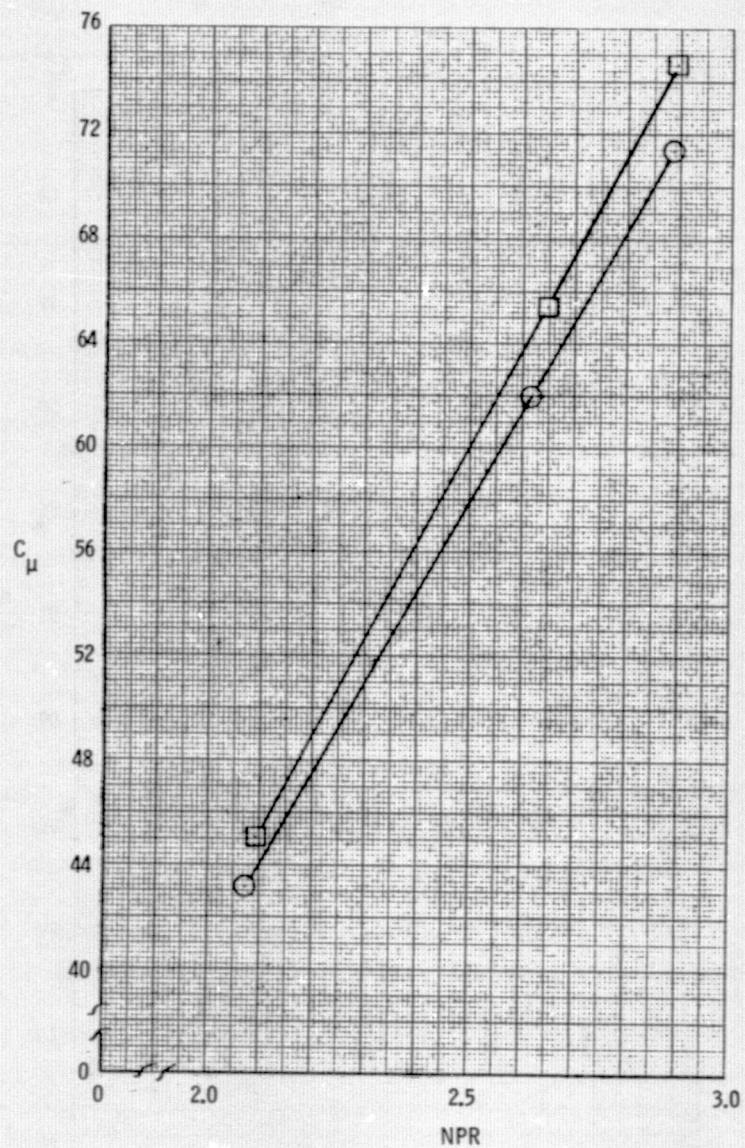


Nozzle
AR
○ 4
□ 6
◇ 8



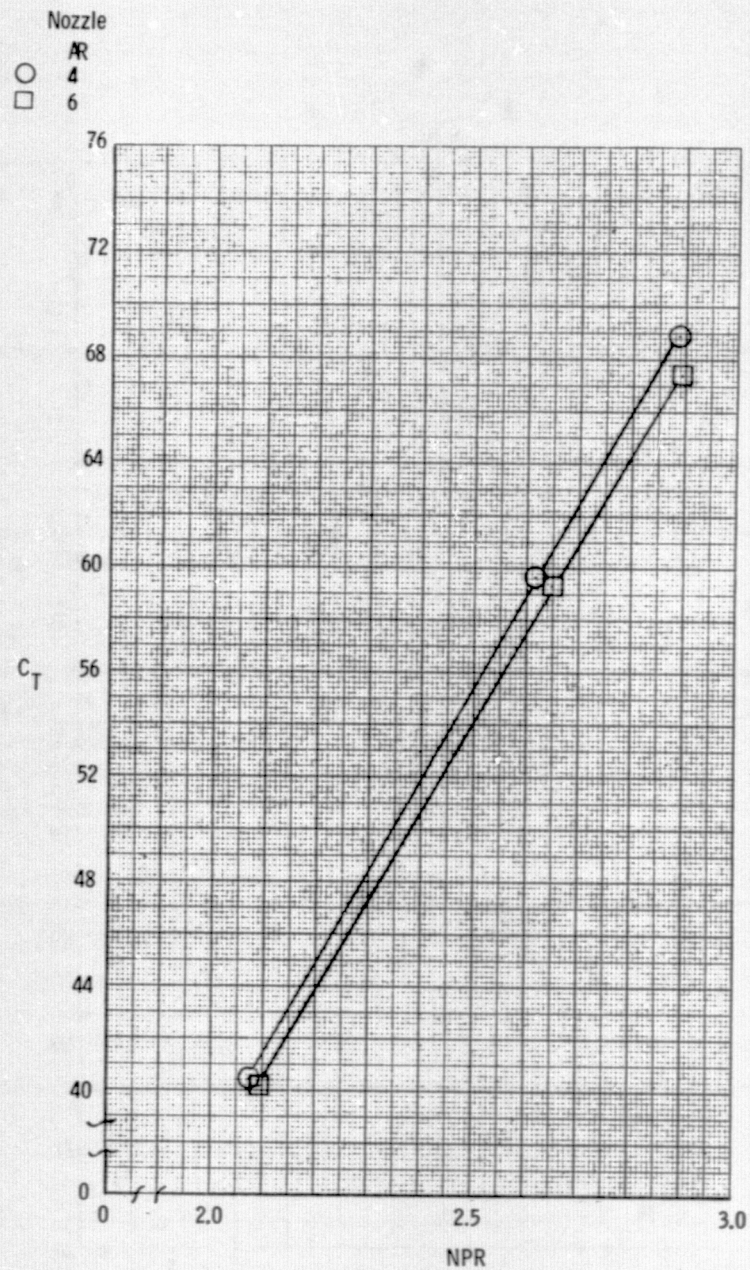
(a) Spanwise blowing nozzle off.

Figure 3.- Ideal and measured nozzle thrust calibration as a function of nozzle pressure ratio.

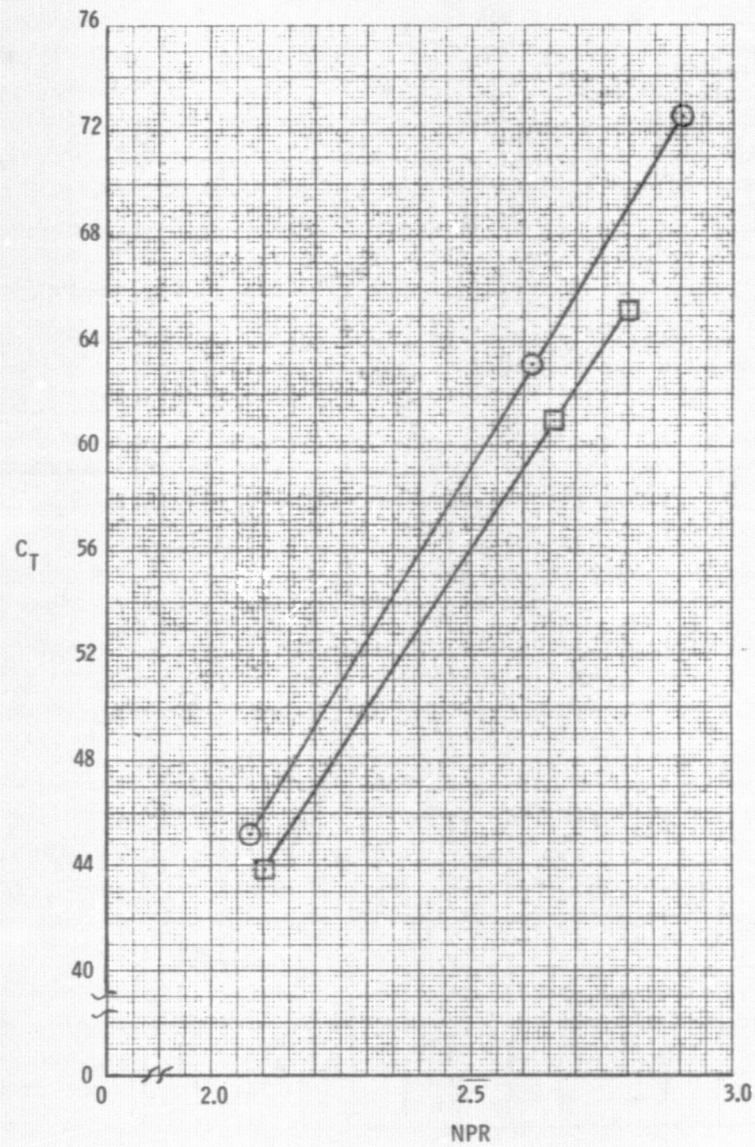
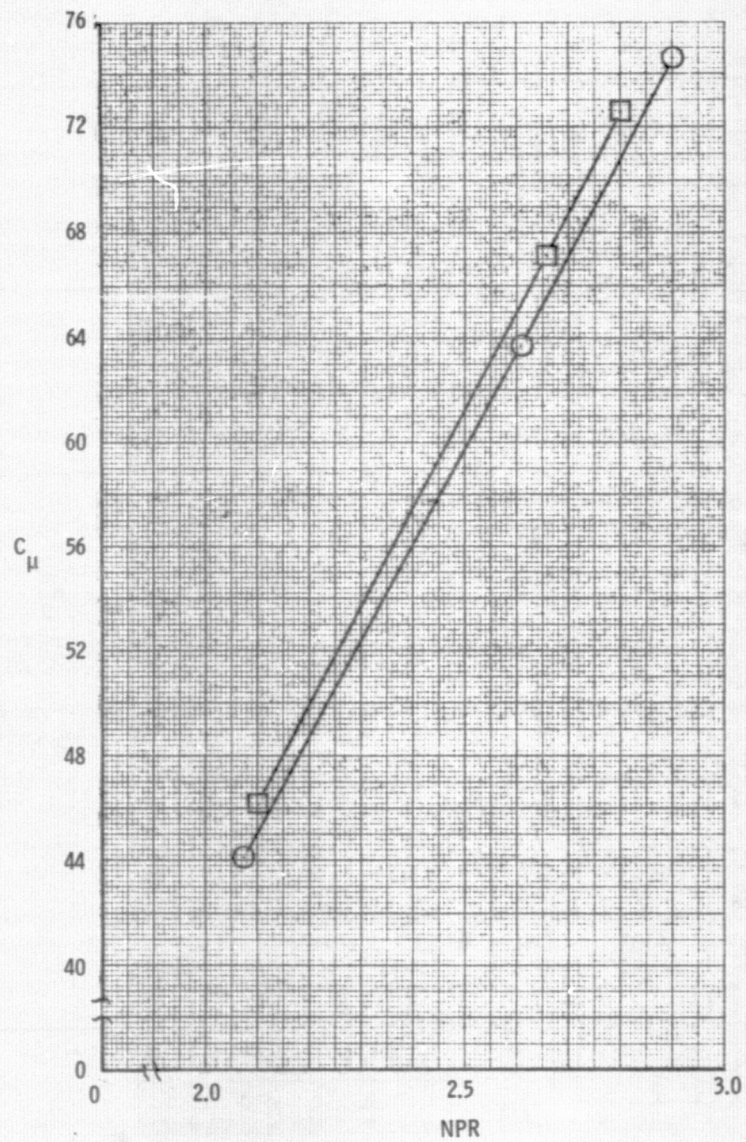


(b) 1.27 cm diameter spanwise blowing nozzle

Figure 3.- Continued.

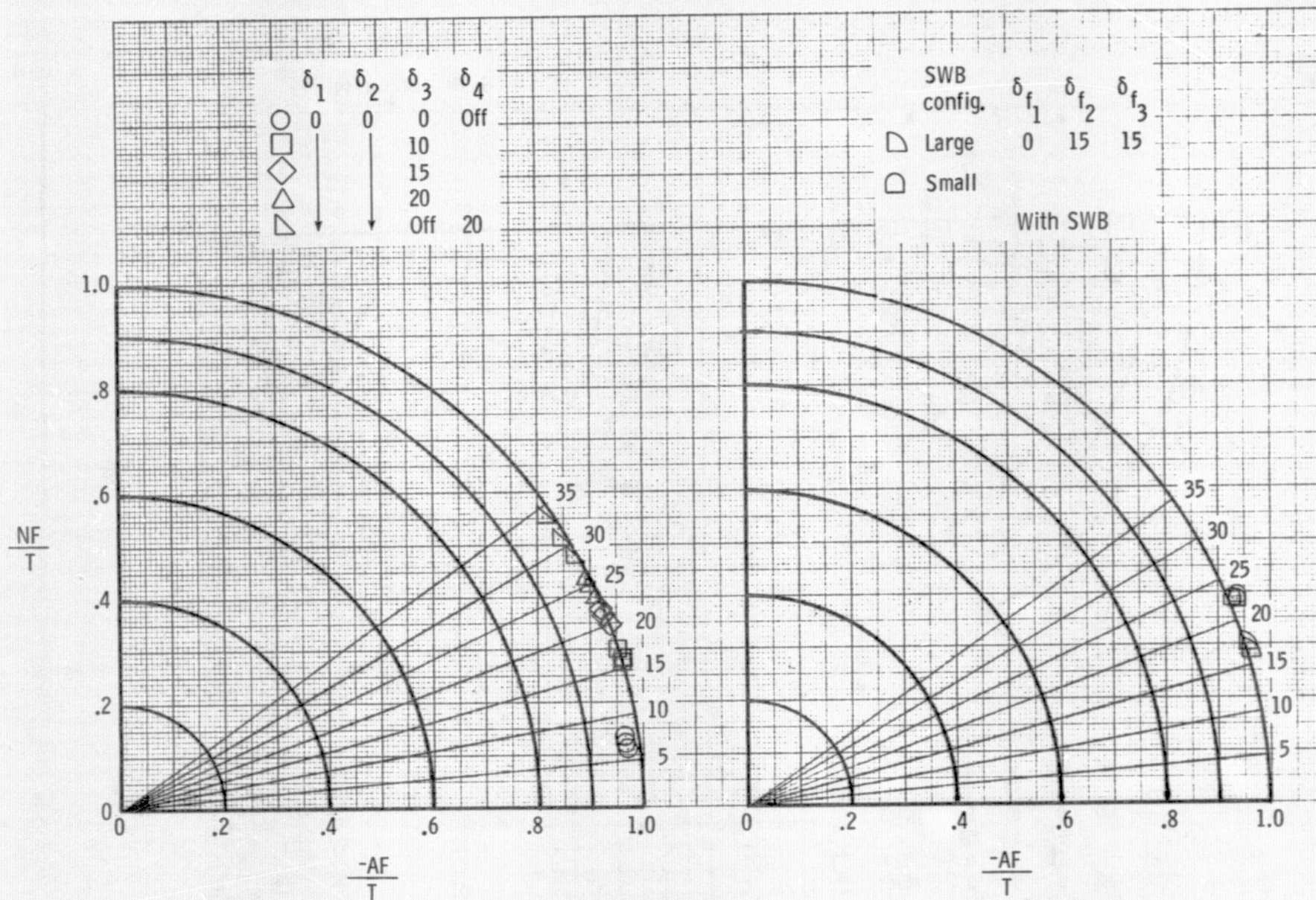


Nozzle
AR
○ 4
□ 6



(c) 2.54 cm diameter spanwise blowing nozzle

Figure 3.- Concluded.



(a) Nozzle AR 4

Figure 4.- Flap static turning effectiveness. $q_\infty = 0$; $T = \text{variable}$ (587 to 1152 N).

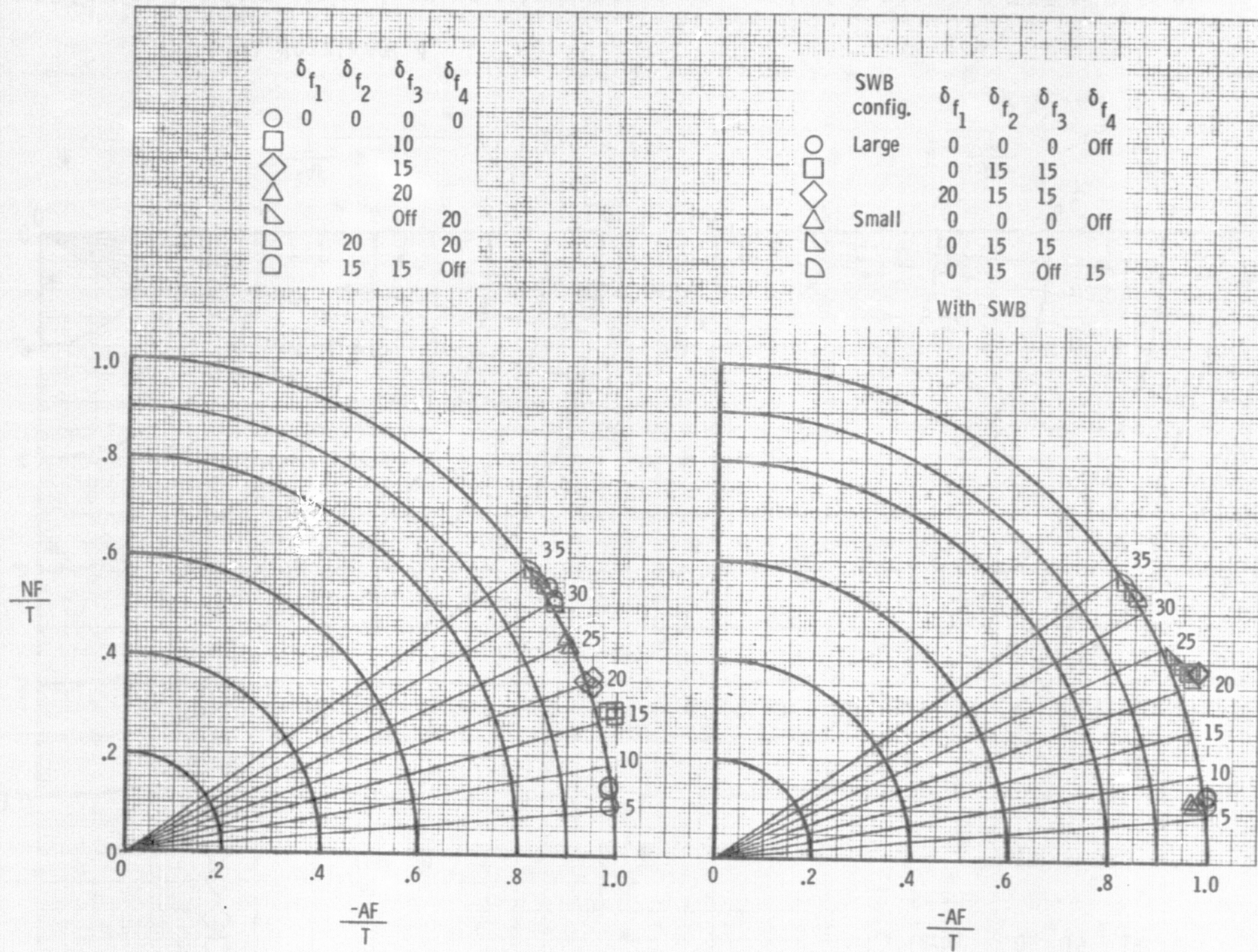
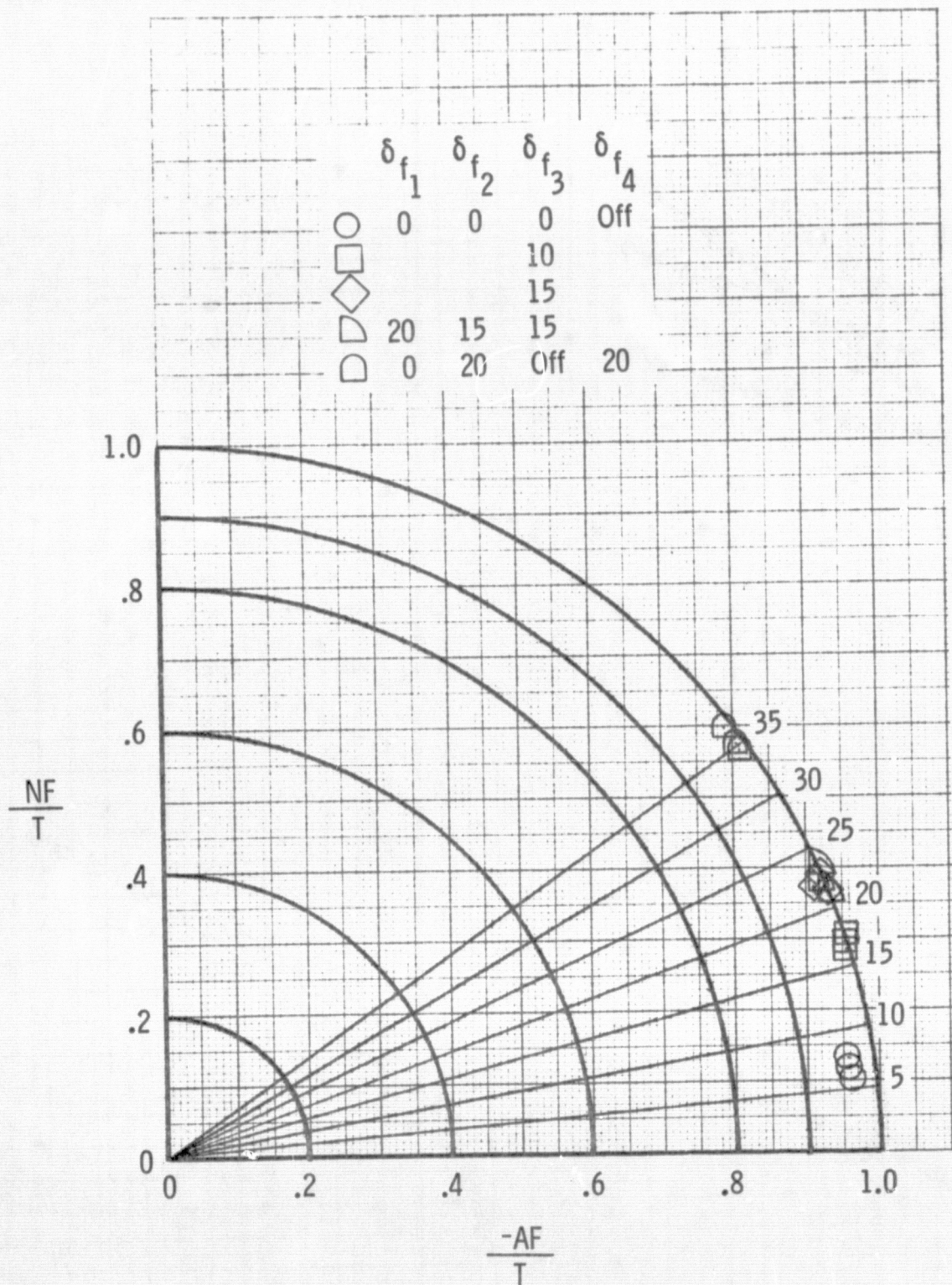


Figure 4.- Continued.



(c) Nozzle AR 8

Figure 4.- Concluded.

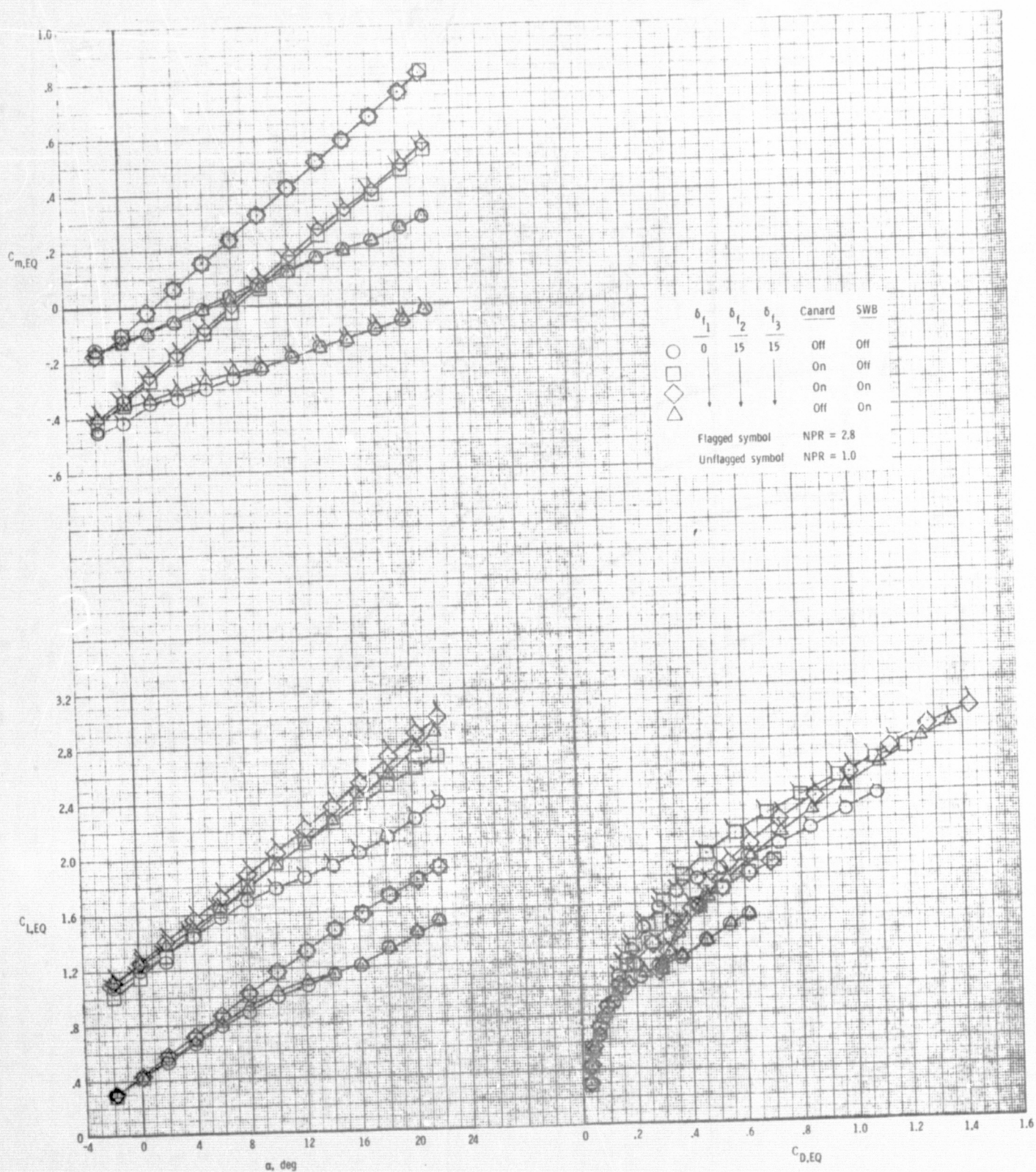


Figure 5. Selected equivalent longitudinal aerodynamic characteristics of a typical configuration utilizing the large canard, the aspect ratio 4 nozzle, and the 1.27 cm diameter spanwise blowing nozzle

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<p>16. Abstract A recent major trend in the conceptual design of advanced fighter aircraft has been the emphasis on achieving a high degree of maneuverability. The use of canards, maneuvering flaps, and wing leading edge vortex enhancement are being actively studied as methods of increasing the maximum useable lift capability and thereby the maneuverability of a configuration.</p> <p>Previous studies have demonstrated the performance improvements related to the use of close coupled canard-wing concept (ref. 1) and to the use of spanwise blowing to enhance the wing-leading edge vortex of a typical configuration (ref. 2).</p> <p>In the late 1950's considerable research was done at the Langley Research Center where the jet efflux was exhausted externally over the top of the wing and deflected downward by trailing-edge flaps. The results indicated that the concept provided good aerodynamic efficiency and, because the wing tended to shield the engine noise from the ground, offered advantages for minimizing the noise associated with powered lift (see refs. 3 and 4).</p> <p>The present study is concerned with a configuration which intergrates a close coupled canard-wing combination, spanwise blowing for enhancement of the wing leading edge vortex, an engine-over-wing concept, and a wing trailing edge coanda-effect flap. The purpose of the present paper is to present the data on this configuration in tabular form without discussion in order to expedite publication.</p> <p>The investigation was conducted in the Langley 7- by 10-foot high speed tunnel at a Mach number of 0.166 through an angle-of-attack range from -2 to 22 degrees. Rectangular main engine nozzles of aspect ratio 4, 6, and 8 were tested over a momentum coefficient range from 1.0 to 1.8.</p> <p>It should be noted that the present study represents a joint General Dynamics-Air Force-NASA undertaking.</p>					
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